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HARDY WOODY PLANTS IN THE NEW YORK
BOTANICAL GARDEN

By GEORGE V. NASH

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HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

GEORGE V. NASH

The following is an enumeration of the hardy woody plants, growing wild or cultivated, within the grounds of the New York Botanical Garden.

Systematic collections of trees and shrubs are maintained here; in these the species are grouped in families and the botanical relationship of the families indicated by juxtaposition. The Pinetum is located near Conservatory Range 1, in the area between that range and the Museum Building, thence to the east on the ridge west of the Herbaceous Grounds valley. Here are to be found the conifers, yews, and ginkgo—plants evergreen for the most part and commonly with narrow or needle-shaped leaves; in the larch, Chinese larch and bald cypress the leaves are deciduous, and in the ginkgo or maiden-hair tree the leaves are fan-shaped. The Deciduous Arboretum occupies much of the area to the east of the Bronx river; here are brought together deciduous hardy woody plants of tree form. At the Fruticetum, located on the level plain north of the lakes, is the collection of shrubs or bushes. In the Salicetum, to the north of the Fruticetum, is a collection of the poplars and willows. The Viticetum, the home of the hardy woody vines, is near the northern end of the ridge east of the Herbaceous Grounds valley.

The specimens in these collections are plainly labeled, each plant, where the determination is accurate, bearing a label giving information as to the common name, botanical name, natural distribution, and the family to which the individual belongs. This makes these collections of value for scientific study and investigation. To the horticulturist the collections are of especial

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service in bringing together so many kinds of plants which may here be conveniently compared and examined as to their adaptability for decorative use.

In addition to the systematic collections there are many groups of shrubs and many kinds of trees planted in various parts of the grounds. It has been the aim to place along the roads and paths many different kinds of trees in order that all may be impressed by the beauty and variety of arboreal vegetation. The species used here are also plainly labeled.

Active steps are now being taken to increase the collections of hardy woody plants by the addition of species and varieties not already represented. With adequate facilities these collections can be much enlarged, thus greatly enhancing their educational value.

In the following enumeration the trees and shrubs are arranged by families, and these in botanical sequence so as to express plant relationship.

PINACEAE. PINE FAMILY

ABIETINEAE. Fir Tribe

Pinus. Pines

***Pinus Banksiana*.** JACK OR GREY PINE.

Location: Pinetum, along west side of ridge west of Morphologic Garden. Knoll northeast of Conservatory Range 1.

Natural distribution: Northern North America.

***Pinus Bungeana*.** BUNGE'S PINE.

Location: Pinetum, along west side of ridge west of Morphologic Garden.

Natural distribution: Japan.

***Pinus Cembra*.** SWISS STONE PINE.

Location. Pinetum, along west side of ridge west of Herbaceous Grounds. Court of Conservatory Range 1. West end of Long Bridge.

Natural distribution: Europe and Asia.

***Pinus densiflora*.** JAPANESE RED PINE.

Location: Pinetum, west side of ridge west of Morphologic Garden, and on slope northeast of Conservatory Range 1.

Natural distribution: Japan.

Pinus densiflora var: **aurea**. GOLDEN JAPANESE RED PINE.

Location: Pinetum, along west side of ridge west of Morphologic Garden.

Pinus densiflora var: **globosa**. DWARF TABLE PINE.

Location: Pinetum, with the above.

Pinus densiflora var: **pendula**. WEEPING JAPANESE RED PINE.

Location: Pinetum, with the above.

Pinus densiflora var: **umbraculifera**. DWARF JAPANESE RED PINE.

Location: Pinetum, with the above.

Pinus edulis. ROCKY MOUNTAIN NUT PINE.

Location: Pinetum, along path northeast of Conservatory Range 1.

Natural distribution: Western North America.

Pinus flexilis. ROCKY MOUNTAIN WHITE PINE.

Location: Pinetum, on knoll east of Conservatory Range 1.

Natural distribution: Western North America.

Pinus Jeffreyi. JEFFREY'S PINE.

Location: Pinetum, south slope of knoll northeast of Conservatory Range 1.

Natural distribution: Western North America.

Pinus koraiensis. KOREAN WHITE PINE.

Location: Pinetum, on knoll northeast of Conservatory Range 1, and knoll east of same range.

Natural distribution: Northeastern Asia.

Pinus montana var: **Mughus**. KNEE PINE.

Location: Pinetum, north side of path between Herbaceous Grounds and Morphologic Garden. Court of Conservatory Range 1. West end of Long Bridge.

Natural distribution: Eastern Alps.

Pinus monticola. WESTERN WHITE PINE.

Location: Knoll east of Conservatory Range 1.

Natural distribution: Northwestern North America.

Pinus Murrayana. LODGE-POLE PINE.

Location: Pinetum, north side of knoll northeast of Conservatory Range 1.

Natural distribution: Mountains of Northwestern America.

Pinus nepalensis (*P. excelsa*). HIMALAYAN WHITE PINE.

Location: Pinetum, west side of ridge west of Herbaceous Grounds; and on the knoll opposite to the west. East end of the approach to the elevated railroad.

Natural distribution: Temperate Himalayan Region.

Pinus nigra (*P. austriaca*). AUSTRIAN PINE.

Location: Pinetum, knoll northeast of Conservatory Range 1, and knoll east of same range. West Border, near lake and at Woodlawn Road Bridge.

Natural distribution: Austria to Balkan Peninsula.

Pinus nigra var: **Pallasiana**. CRIMEAN or TARTARIAN PINE.

Location: Pinetum, southeast of Fountain Enclosure; knoll east of Conservatory Range 1.

Natural distribution: Asia Minor to Crimea.

Pinus parviflora. SMALL-FLOWERED WHITE PINE.

Location: Pinetum, along west side of ridge west of Economic Garden and Morphologic Garden; knoll northeast of Conservatory Range 1.

Natural distribution: Japan.

Pinus parviflora var: **brevifolia**. SHORT-LEAVED SMALL-FLOWERED WHITE PINE.

Location: Pinetum, east foot of knoll east of Conservatory Range 1.

Pinus Peuce. MACEDONIAN WHITE PINE.

Location: Pinetum, west side of ridge west of Herbaceous Grounds; east foot of knoll east of Conservatory Range 1.

Natural distribution: Southeastern Europe.

Pinus ponderosa. YELLOW or BULL PINE.

Location: Pinetum, north and south of knoll northeast of Conservatory Range 1.

Natural distribution: Western North America.

Pinus pungens. TABLE-MOUNTAIN PINE.

Location: Pinetum, knoll northeast of Conservatory Range 1; knoll east of same range.

Natural distribution: Southeastern United States.

Pinus resinosa. RED or NORWAY PINE.

Location: Pinetum, knoll northeast of Conservatory Range 1.

Natural distribution: Northeastern North America.

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(Continued)

Pinus rigida. PITCH or TORCH PINE.

Location: Pinetum, north slope of knoll northeast of Conservatory Range 1; also west slope of same knoll.

Natural distribution: Eastern North America.

Pinus Sabiniana. DIGGER PINE.

Location: Pinetum, north and east slopes of knoll northeast of Conservatory Range 1.

Natural distribution: California.

Pinus Strobus. WHITE PINE.

Location: Pinetum, west side of ridge west of Economic Garden and Herbaceous Grounds; east side of knoll east of Conservatory Range 1. East end of approach to elevated railroad. West end of Long Bridge. A small grove in the northeast corner of the Fruticetum. A fine specimen near south end of Lake Bridge. Demonstration White Pine Plantation on ridge near Iris Garden.

Natural distribution: Eastern North America.

Pinus Strobus var: **brevifolia.** DWARF WHITE PINE.

Location: Pinetum, along west side of ridge west of Morphologic Garden.

Pinus Strobus var: **fastigiata.** COLUMNAR WHITE PINE.

Location: Pinetum, along west side of ridge west of Herbaceous Grounds; also between road and path to west of this.

Pinus sylvestris. SCOTCH PINE.

Location: Pinetum, knoll northeast of Conservatory Range 1. South of Mansion.

Natural distribution: Europe and Asia.

Pinus sylvestris var: **argentea.** SILVERY SCOTCH PINE.

Location: Pinetum, knoll northeast of Conservatory Range 1; east side of knoll east of same range.

Pinus sylvestris var: **fastigiata**. PYRAMIDAL SCOTCH PINE.

Location: Pinetum, knoll northeast of Conservatory Range 1.

Pinus Thunbergii. JAPANESE BLACK PINE.

Location: Pinetum, northeast foot of knoll northeast of Conservatory Range 1; also north foot of knoll east of same range.

Natural distribution: Japan.

Pinus virginiana. JERSEY PINE.

Location: Pinetum, knoll northeast of Conservatory Range 1.

Natural distribution: Southeastern United States.

Cedrus. TRUE CEDARS.

Cedrus atlantica. MOUNT ATLAS CEDAR.

Location: Pinetum, ridge west of Economic Garden.

Natural distribution: Northern Africa.

Cedrus atlantica var: **aurea**. GOLDEN MOUNT ATLAS CEDAR.

Location: Pinetum, with the above.

Cedrus atlantica var: **glauca**. BLUE MOUNT ATLAS CEDAR.

Location: Pinetum, with the above.

Cedrus Deodara. DEODAR or INDIAN CEDAR.

Location: Pinetum, east slope of ridge south of Economic Garden.

Natural distribution: Himalayan Region.

Cedrus Libani. CEDAR OF LEBANON.

Location: Pinetum, with *Cedrus atlantica*.

Natural distribution: Syria to Asia Minor.

Larix. LARCHES

Larix Larix (*L. decidua*). EUROPEAN LARCH.

Location: Pinetum, ridge west of Morphologic Garden.

Natural distribution: Mountains of central Europe.

Larix laricina. AMERICAN LARCH or TAMARACK.

Location: In low land near river, east of Fruticetum. North border.

Natural distribution: Northern North America.

Larix leptolepis. JAPANESE LARCH.

Location: Pinetum, ridge west of Morphologic Garden.

Natural distribution: Japan.

Pseudolarix. CHINESE LARCH**Pseudolarix Kaempferi.** GOLDEN or CHINESE LARCH.

Location: Pinetum, on ridge west of Morphologic Garden.

Natural distribution: Northern China.

Picea. SPRUCES**Picea Abies** (*P. excelsa*). NORWAY SPRUCE.

Location: Pinetum, south of Forsythia group near Station Plaza.

Natural distribution: Europe.

Picea Abies var: *aurea*. GOLDEN NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea Abies var: *Barryi*. BARRY'S NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea Abies var: *compacta*. COMPACT NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea Abies var: *conica*. CONIC NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea Abies var: *conica densa*. DENSE CONIC NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea Abies var: *Finedonensis*. PALE YELLOW NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea Abies var: *Gregoryana*. GREGORY'S NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea Abies var: *inversa*. DROOPING NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea Abies var: *Maxwellii*. MAXWELL'S NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea Abies var: *pendula*. WEEPING NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea Abies var: *pyramidalis*. PYRAMIDAL NORWAY SPRUCE.

Location: Pinetum, with the above.

Picea bicolor. ALCOCK'S SPRUCE.

Location: Pinetum, along west border south of Station Plaza near Hydrangea group.

Natural distribution: Japan.

Picea canadensis. WHITE SPRUCE.

Location: Pinetum, along west border, south of Station Plaza.
West end of Long Bridge.

Natural distribution: Northern North America.

Picea canadensis var: **coerulea**. BLUE WHITE SPRUCE.

Location: Pinetum, south of Forsythia group at Station Plaza.

Picea canadensis var: **nana**. DWARF WHITE SPRUCE.

Location: Pinetum, with the above.

Picea Engelmannii. ENGELMANN'S SPRUCE.

Location: Pinetum, knoll northwest of Conservatory Range 1.

Natural distribution: Western North America.

Picea Engelmannii var: **glauca**. BLUE ENGELMANN'S SPRUCE.

Location: Pinetum, with the above.

Picea Mariana var: **Doumetii**. DOUMET'S BLACK SPRUCE.

Location: Pinetum, along west border south of Station Plaza;
near Hydrangea group.

Picea Maximowiczii. MAXIMOWICZ'S SPRUCE.

Location: Pinetum, with the above.

Natural distribution: Japan.

Picea obovata. SIBERIAN SPRUCE.

Location: Pinetum south of Forsythia group near Station Plaza.

Natural distribution: Northeastern Europe and western Asia.

Picea Omorika. SERVIAN SPRUCE.

Location: Pinetum, along west border south of Station Plaza;
near Fountain Enclosure.

Natural distribution: Southeastern Europe.

Picea orientalis. ORIENTAL SPRUCE.

Location: Pinetum, near path crossing, northwest of Conservatory Range 1; along west border south of Station Plaza;
near Hydrangea group.

Natural distribution: Western Asia and Caucasus.

Picea polita. TIGER-TAIL SPRUCE.

Location: Pinetum, north slope of knoll northeast of Conservatory Range 1.

Natural distribution: Japan.

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Picea pungens. COLORADO SPRUCE.

Location: Pinetum, knoll northwest of Conservatory Range 1.

Natural distribution: Wyoming to New Mexico.

Picea pungens var: **glauca.** BLUE COLORADO SPRUCE.

Location: Pinetum, with the above; also at Fountain Enclosure.

West end of Long Bridge. Woodlawn Road Bridge.

Picea pungens var: **glauca pendula.** WEEPING COLORADO BLUE SPRUCE.

Location: Pinetum, near Fountain Enclosure.

Picea pungens var: **Kosteri.** KOSTER'S BLUE SPRUCE.

Location: Pinetum, knoll northwest of Conservatory Range 1;

also at Fountain Enclosure. Woodlawn Road Bridge.

Picea pungens var: **Kosteri compacta** KOSTER'S DENSE-LEAVED SPRUCE.

Location: Pinetum, northwest of Conservatory Range 1.

Picea Schrenkiana. SCHRENK'S SPRUCE.

Location: Pinetum, along west border south of Station Plaza
near Hydrangea group.

Natural distribution: Siberia to northern China.

Picea Smithiana. SMITH'S SPRUCE.

Location: Pinetum, with the above.

Natural distribution: Himalayan Region.

Picea jezoensis (*P. ajanensis*). YESSO SPRUCE.

Location: Pinetum, with the above. West end of Long Bridge
in low land.

Natural distribution: Japan.

Tsuga. HEMLOCKS

Tsuga canadensis. HEMLOCK.

Location: Pinetum, along West Border, south of Power House 1.

Hemlock Forest, along Bronx River.

Natural distribution: Eastern North America.

Tsuga canadensis var: **albo-spica.** SILVERY-SPOTTED HEMLOCK.

Location: Pinetum, with the above.

***Tsuga canadensis* var: *compacta*.** DENSE HEMLOCK.

Location: Pinetum, with the above.

***Tsuga canadensis* var: *gracilis*.** SLENDER HEMLOCK.

Location: Pinetum, with the above.

***Tsuga canadensis* var. *parvifolia*.** SMALL-LEAVED HEMLOCK.

Location: Pinetum, with the above.

***Tsuga canadensis* var: *pendula*.** WEEPING HEMLOCK.

Location: Pinetum, with the above. West end of Long Bridge. Iris Garden. Flower beds at Conservatory Range 1.

***Tsuga caroliniana*.** CAROLINA or CRAIG HEMLOCK.

Location: Pinetum, with the above.

Natural distribution: Virginia to Georgia.

***Tsuga diversifolia*.** HAIRY-TWIGGED JAPANESE HEMLOCK.

Location: Pinetum, with the above.

Natural distribution: Japan.

***Tsuga Tsuga* (*T. Sieboldii*).** SIEBOLD'S HEMLOCK.

Location: Pinetum, with the above. Flower beds at Conservatory Range 1.

Natural distribution: Japan.

Pseudotsuga. DOUGLAS SPRUCE

***Pseudotsuga mucronata* (*P. Douglasii*).** DOUGLAS SPRUCE.

Location: Pinetum, west side, between path and driveway and also between the driveways, near approach to elevated railroad. West end of Long Bridge. Group at foot of Museum Approach.

Natural distribution: Western North America.

***Pseudotsuga mucronata* var: *glauca*.** BLUE DOUGLAS SPRUCE.

Location: Pinetum, with the above between driveways.

Abies. FIRS

***Abies amabilis*.** RED SILVER FIR.

Location: Pinetum, near flower border at approach to elevated railway.

Natural distribution: Northwestern North America.

Abies balsamea. BALSAM FIR.

Location: Pinetum, northwest of Conservatory Range 1; in depression north of Power House 1.

Natural distribution: Northern North America.

Abies cephalonica. MT. ENOS FIR.

Location: Pinetum, northwest of Conservatory Range 1.

Natural distribution: Greece.

Abies cilicica. CILICIAN FIR.

Location: Pinetum, northwest of Conservatory Range 1.

Natural distribution: Asia Minor.

Abies concolor. WHITE FIR.

Location: Pinetum, northwest of Conservatory Range 1.

Woodlawn Bridge. West end of Long Bridge.

Natural distribution: Western North America.

Abies concolor var: **falcata.** CURVED-LEAVED WHITE FIR.

Location: Pinetum, with the above.

Abies Fraseri. FRASER'S FIR.

Location: Pinetum, in depression north of Power House 1.

Natural distribution: Alleghany Mountains.

Abies grandis. GREAT SILVER FIR.

Location: Pinetum. near flower border at approach to elevated railway.

Abies homolepis. NIKKO SILVER FIR.

Location: Pinetum, northwest of Conservatory Range 1.

Natural distribution: Japan.

Abies homolepis var: **umbellata.** MAYR'S FIR.

Location: Pinetum, with the above.

Distribution: Japan.

Abies lasiocarpa. WESTERN BALSAM FIR.

Location: Pinetum, northwest of Conservatory Range 1; in depression north of Power House 1.

Natural distribution: Western North America.

Abies Momi (*A. firma*). JAPANESE SILVER FIR.

Location: Pinetum, west of Conservatory Range 1.

Natural distribution: Japan.

Abies nobilis. RED FIR.

Location: Pinetum, northwest of Conservatory Range 1.

Natural distribution: Washington and Oregon.

Abies Nordmanniana. NORDMANN'S SILVER FIR.

Location: Pinetum, northwest of Conservatory Range 1.

West end of Long Bridge. Woodlawn Bridge.

Natural distribution: Caucasus.

Abies numidica. ALGERIAN SILVER FIR.

Location: Pinetum, northwest of Conservatory Range 1.

Natural distribution: Northern Africa.

Abies Picea (*A. pectinata*). SILVER FIR.

Location: Pinetum, northwest of Conservatory Range 1; in depression north of Power House 1.

Abies Pinsapo. SPANISH FIR.

Location: Pinetum, in depression north of Power House 1.

Natural distribution: Spain.

Abies sibirica. SIBERIAN FIR.

Location: Pinetum, in depression north of Power House 1.

Natural distribution: Northern Europe and Asia.

Abies Tomomi. TOMOMI FIR.

Location: Pinetum, northwest of Conservatory Range 1; near flower bed at approach to elevated railway.

Natural distribution: Japan.

Abies Veitchii. VEITCH'S SILVER FIR.

Location: Pinetum, northwest of Conservatory Range 1; also between path and driveway.

Natural distribution: Japan and Manchuria.

TAXODIINAE. Taxodium Tribe

Sciadopitys. UMBRELLA PINE**Sciadopitys verticillata.** UMBRELLA PINE.

Location: Pinetum, north end of Herbaceous Grounds valley.

Natural distribution: Japan.

Sequoia. SEQUOIAS**Sequoia Washingtoniana.** BIG TREE.

Location: Pinetum, north end of Herbaceous Grounds valley.

Natural distribution: Sierra Nevada Mountains, California.

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Cryptomeria. JAPANESE CEDAR

Cryptomeria japonica. JAPANESE CEDAR.

Location: Pinetum, north end of Herbaceous Grounds Valley.

Natural distribution: Japan.

Cryptomeria japonica var. **Lobbi.** LOBB'S JAPANESE CEDAR.

Location: Pinetum, with the above.

Taxodium. BALD CYPRESS

Taxodium ascendens. POND CYPRESS.

Location: Pinetum, at culvert near South Gate.

Natural distribution: Southeastern United States.

Taxodium distichum. BALD CYPRESS.

Location: Pinetum, with the above.

Natural distribution: Southeastern United States.

CUPRESSINEAE. Cypress Tribe

Thuja. ARBOR VITAE

Thuja occidentalis. ARBOR VITAE.

Location: Pinetum, west end of area between driving roads, south of Conservatory Range 1. Beds north side of Conservatory Range 1.

Thuja occidentalis var. **alba.** WHITE ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **aureo-variegata.** GOLDEN-VARIEGATED ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **Columbia.** COLUMBIA ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **Douglasii pyramidalis.** DOUGLAS'S PYRAMIDAL ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **elegantissima.** CHOICE ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **Ellwangeriana**. ELLWANGER'S ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **fastigiata**. PYRAMIDAL ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **filiformis**. SLENDER ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **globosa**. ROUND ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **globosa nova**. NEW ROUND ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **globosa Spihlmanni**, SPIHLMANN'S ROUND ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **Little Gem**. LITTLE GEM ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **lutea**. YELLOW ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **nana**. DWARF ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **pendula**. WEEPING ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **plicata**. FOLDED ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **pumila**. LOW ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **Rosenthalii**. ROSENTHAL'S ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **sempervirens**. EVERGREEN ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **Spaethii**. SPAETH'S ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **spiralis**. TWISTED ARBOR VITAE.

Location: Pinetum, with the above.

Thuja occidentalis var. **Wareana** (*Thuja sibirica*). WARE'S ARBOR VITAE.

Location: Pinetum, with the above.

Thuja orientalis (*Biota orientalis*). CHINESE ARBOR VITAE.

Location: Pinetum, with the above.

Natural distribution: China and Japan.

Thuja orientalis var. **aurea**. GOLDEN CHINESE ARBOR VITAE.

Location: Pinetum, with the above.

Thuja orientalis var. **aurea nana**. DWARF GOLDEN CHINESE ARBOR VITAE.

Location: Pinetum, with the above.

Thuja orientalis var. **aurea pyramidalis**. PYRAMIDAL CHINESE ARBOR VITAE.

Location: Pinetum, with the above.

Thuja orientalis var. **filiformis**. WEEPING CHINESE ARBOR VITAE.

Location: Pinetum, with the above.

Thuja plicata var. **atrovirens**. DARK-GREEN CANOE CEDAR.

Location: Pinetum, with the above.

Natural distribution: Northwestern North American.

Thuja Standishii (*Thuja japonica*). JAPANESE ARBOR VITAE.

Location: Pinetum, with the above. Beds at Conservatory Range 1.

Natural distribution: Japan.

Chamaecyparis. WHITE CEDAR

Chamaecyparis Lawsoniana. PORT ORFORD CEDAR.

Location: Pinetum, at culvert near South Gate. Woodlawn Bridge.

Natural distribution: Oregon and California.

Chamaecyparis Lawsoniana var. **Alumii**. BLUE PYRAMIDAL PORT ORFORD CEDAR.

Pinetum, with the above. Beds at Conservatory Range 1.

Chamaecyparis nootkatensis. YELLOW CEDAR.

Location: Pinetum, with the above. Woodlawn Bridge. Beds at Conservatory Range 1. Iris Garden.

Natural distribution: Alaska to Oregon.

***Chamaecyparis nootkatensis* var. *glauca*.** BLUE YELLOW CEDAR.

Location: Pinetum, with the above.

***Chamaecyparis nootkatensis* var. *pendula*.** WEEPING YELLOW CEDAR.

Location: Pinetum, with the above.

***Chamaecyparis obtusa*.** HINOKI CYPRESS.

Location: Pinetum, terrace and vicinity southwest of Conservatory Range 1. Beds at Conservatory Range 1.

***Chamaecyparis obtusa* var. *aurea*.** GOLDEN HINOKI CYPRESS.

Location: Pinetum, with the above.

***Chamaecyparis obtusa* var. *aurea nova*.** NEW GOLDEN HINOKI CYPRESS.

Location: Pinetum, with the above.

***Chamaecyparis obtusa* var. *aurea Youngii*.** YOUNG'S GOLDEN HINOKI CYPRESS.

Location: Pinetum, with the above.

***Chamaecyparis obtusa* var. *compacta*.** COMPACT HINOKI CYPRESS.*

Location: Pinetum, with the above.

***Chamaecyparis obtusa* var. *filicoides*.** FERN HINOKI CYPRESS.

Location: Pinetum, with the above.

***Chamaecyparis obtusa* var. *gracilis*.** SLENDER HINOKI CYPRESS.

Location: Pinetum, with the above.

***Chamaecyparis obtusa* var. *lycopodioides*.** LYCOPODIUM HINOKI CYPRESS.

Location: Pinetum, with the above.

***Chamaecyparis obtusa* var. *nana*.** DWARF HINOKI CYPRESS.

Location: Pinetum, with the above.

***Chamaecyparis obtusa* var. *nana aurea*.** GOLDEN DWARF HINOKI CYPRESS.

Location: Pinetum, with the above.

***Chamaecyparis obtusa* var. *nana filifera*.** SLENDER DWARF HINOKI CYPRESS.

Location: Pinetum, with the above.

***Chamaecyparis obtusa* var. *pygmaea*.** PYGMY HINOKI CYPRESS.

Location: Pinetum, with the above.

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Chamaecyparis obtusa var. **tetragona aurea**. GOLDEN FOUR-SIDED HINOKI CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera. SAWARA CYPRESS.

Location: Pinetum, with the above.

Natural distribution: Japan.

Chamaecyparis pisifera var. **aurea**. GOLDEN SAWARA CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **filifera**. SLENDER SAWARA CYPRESS.

Location: Pinetum, with the above. Beds at Conservatory Range 1.

Chamaecyparis pisifera var. **filifera aurea**. GOLDEN SLENDER SAWARA CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **filifera pendula**. WEEPING SAWARA CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **filifera pendula aurea**. GOLDEN WEEPING SAWARA CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **filifera pendula aurescens**. GOLDEN-TIPPED WEEPING SAWARA CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **plumosa**. PLUMED SAWARA CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **plumosa albo-spica**. WHITE-SPOTTED PLUMOSE SAWARA CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **plumosa aurea**. GOLDEN PLUMOSE SAWARA CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **plumosa sulphurea**. SULPHUR-COLORED PLUMOSE SAWARA CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **pseudo-squarrosa** (*Chamaecyparis pisifera squarrosa Veitchii*). VEITCH'S SAWARA CYPRESS.

Location: Pinetum, with the above. Beds at Conservatory Range I.

Chamaecyparis pisifera var. **pseudo-squarrosa sulphurea**. VEITCH'S SULPHUR SAWARA CYPRESS.

Location: Pinetum, with the above. Beds at Conservatory Range I.

Chamaecyparis pisifera var. **squarrosa**. SPREADING SAWARA CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **squarrosa compacta**. COMPACT SPREADING CYPRESS.

Location: Pinetum, with the above.

Chamaecyparis pisifera var. **sulphurea**. SULPHUR SAWARA CYPRESS. Location: Pinetum, with the above.

Chamaecyparis thyoides. WHITE CEDAR.

Location: Pinetum, at culvert near South Gate. North side of Aquatic Garden.

Natural distribution: Eastern United States.

Chamaecyparis thyoides var. **andelyensis**. ANDELYAN WHITE CEDAR.

Location: Pinetum, with the above.

Juniperus. CEDARS AND JUNIPERS.

Juniperus chinensis. CHINESE JUNIPER.

Location: Pinetum, south of Conservatory Range I.

Natural distribution: China and Japan.

Juniperus chinensis var. **aurea**. GOLDEN CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **globosa**. GLOBOSE CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **globosa aurea**. GOLDEN GLOBOSE CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **nana**. DWARF CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **nana argentea-variegata**. SILVER-SPOTTED DWARF.

Juniperus chinensis var. **nana argenteo-variegata**. SILVER-SPOTTED DWARF CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **nana aurea**. GOLDEN DWARF CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **nana aureo-variegata**. GOLDEN-SPOTTED DWARF CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **pendula**. WEEPING CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **Pfitzeriana**. PFITZER'S CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **procumbens**. PROSTRATE CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **albo-variegata**. VARIEGATED PROSTRATE CHINESE JUNIPER.

Location: Pinetum, with the above. Bed at Conservatory Range 1.

Juniperus chinensis var. **pyramidalis**. PYRAMIDAL CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus chinensis var. **pyramidalis argenteo-variegata**. SILVER-SPOTTED PYRAMIDAL CHINESE JUNIPER.

Location: Pinetum, with the above.

Juniperus communis. COMMON JUNIPER.

Location: Pinetum, with the above.

Natural distribution: North temperate regions.

Juniperus communis var. **hibernica**. IRISH JUNIPER.

Location: Pinetum, with the above.

Juniperus depressa (*Juniperus canadensis*). LOW JUNIPER.

Location: Pinetum, with the above. Beds at Conservatory Range 1.

Natural distribution: Northern North America.

Juniperus depressa var. **aurea** (*Juniperus canadensis aurea*).

GOLDEN LOW JUNIPER.

Location: Pinetum, with the above. Beds at Conservatory Range 1.

Juniperus excelsa. TALL JUNIPER.

Location: Pinetum, with the above.

Natural distribution: Greece, Western Asia and Himalayas.

Juniperus horizontalis (*Juniperus Sabina prostrata*). WAUKEGAN JUNIPER.

Location: Pinetum, with the above.

Natural distribution: Northern North America.

Juniperus pachyphloea. THICK-BARKED JUNIPER.

Location: Pinetum, with the above.

Natural distribution: Southwestern United States and Mexico.

Juniperus Sabina. SAVIN JUNIPER.

Location: Pinetum, with the above.

Natural distribution: Europe and Asia.

Juniperus Sabina var. **fastigiata**. COLUMNAR SAVIN JUNIPER.

Location: Pinetum, with the above.

Juniperus Sabina var. **tamariscifolia**. TAMARIX SAVIN JUNIPER.

Location: Pinetum, with the above.

Natural distribution: Southern Europe.

Juniperus Sabina var. **variegata**. VARIEGATED SAVIN JUNIPER.

Location: Pinetum, with the above.

Juniperus sphaerica. FORTUNE'S JUNIPER.

Location: Pinetum, with the above.

Natural distribution: Northern China.

Juniperus squamata. NEEDLE-LEAVED PROSTRATE JUNIPER.

Location: Pinetum, with the above.

Natural distribution: Himalayas and western China.

Juniperus virginiana. RED CEDAR.

Location: Pinetum, with the above. Wild on open ridges about the grounds.

Natural distribution: North America.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

(Continued)

Juniperus virginiana var. **albo-spica**. WHITE-SPOTTED RED CEDAR.

Location: Pinetum, with the above.

Juniperus virginiana var. **Cannartii**. CANNART'S RED CEDAR.

Location: Pinetum, with the above.

Juniperus virginiana var. **elegantissima**. YELLOW RED CEDAR.

Location: Pinetum, with the above.

Juniperus virginiana var. **glauca**. GLAUCOUS RED CEDAR.

Location: Pinetum, with the above. Beds at Conservatory Range I.

Juniperus virginiana var. **glauca pendula**. DROOPING GLAUCOUS RED CEDAR.

Location: Pinetum, with the above.

Juniperus virginiana var. **globosa**. GLOBOSE RED CEDAR.

Location: Pinetum, with the above.

Juniperus virginiana var. **nana pendula**. WEEPING DWARF RED CEDAR.

Location: Pinetum, with the above.

Juniperus virginiana var. **pendula**. DROOPING RED CEDAR.

Location: Pinetum, with the above.

Juniperus virginiana var. **plumosa argentea**. SILVER-SPOTTED RED CEDAR.

Location: Pinetum, with the above.

Juniperus virginiana var. **Schottii**. SCHOTT'S RED CEDAR.

Location: Pinetum, with the above.

Juniperus virginiana var. **tripartita**. NEEDLE-LEAVED DWARF RED CEDAR.

Location: Pinetum, with the above.

GINGKOACEAE. Maiden-hair Tree Family

Ginkgo. MAIDEN-HAIR TREE

Ginkgo biloba. MAIDEN-HAIR TREE.

Location: Pinetum, south end of ridge west of Herbaceous

Grounds. Plaza, at railroad depot, N. Y. C. & H. R. R.
Driveway, west of Museum building.

Natural distribution: China and Japan.

Ginkgo biloba var. **pyramidalis**. COLUMNAR MAIDEN-HAIR TREE

Location: Pinetum, with the above.

TAXACEAE. Yew Family

Cephalotaxus. CLUSTER-FLOWERED YEW

Cephalotaxus drupacea. JAPANESE CLUSTER-FLOWERED YEW

Location: Pinetum, west of Economic Garden.

Natural distribution: China and Japan.

Cephalotaxus Harringtonia var. **fastigiata**. HARRINGTON'S COLUMNAR CLUSTER-FLOWERED YEW.

Location: Pinetum, with the above.

Natural distribution: Japan and China.

Tumion. TORREYA

Tumion nuciferum. JAPANESE TORREYA.

Location: Pinetum, with the above.

Natural distribution: Japan.

Taxus. YEW

Taxus baccata. ENGLISH YEW.

Location: Pinetum, west of Economic Garden.

Natural distribution: Europe to Himalayan Region.

Taxus baccata var. **adpressa**. SHORT-LEAVED ENGLISH YEW.

Location: Pinetum, with the above.

Taxus baccata var. **argentea**. SILVERY ENGLISH YEW.

Location: Pinetum, with the above.

Taxus baccata var. **aurea**. GOLDEN ENGLISH YEW.

Location: Pinetum, with the above.

Taxus baccata var. **Dovastonii**. DOVASTON YEW.

Location: Pinetum, with the above.

Taxus baccata var. **Dovastonii variegata**. VARIEGATED DOVASTON YEW.

Location: Pinetum, with the above.

Taxus baccata var. **fastigiata**. IRISH YEW.

Location: Pinetum, with the above.

- Taxus baccata** var. **fastigiata aurea**. GOLDEN IRISH YEW.
Location: Pinetum, with the above.
- Taxus baccata** var. **fastigiata variegata**. SILVERY IRISH YEW.
Location: Pinetum, with the above.
- Taxus baccata** var. **Jacksonii**. WEEPING ENGLISH YEW.
Location: Pinetum, with the above.
- Taxus baccata** var. **luteo-baccata**. YELLOW-FRUITED ENGLISH YEW.
Location: Pinetum, with the above.
- Taxus baccata** var. **procumbens**. PROSTRATE ENGLISH YEW.
Location: Pinetum, with the above.
- Taxus baccata** var. **repandens**. LOW ENGLISH YEW.
Location: Pinetum, with the above.
- Taxus canadensis**. AMERICAN YEW.
Location: Pinetum, with the above.
Natural distribution: Northeastern North America.
- Taxus cuspidata**. JAPANESE YEW.
Location: Pinetum, with the above.
Natural distribution: Japan.
- Taxus cuspidata** var. **densa**. DENSE JAPANESE YEW.
Location: Pinetum, with the above.
- Taxus cuspidata** var. **nana**. DWARF JAPANESE YEW.
Location: Pinetum, with the above.

SALICACEAE. Willow Family

Populus. POPLAR

- Populus alba**. WHITE POPLAR.
Location: Arboretum, south end. Along driveway, west of Conservatory Range 1. Ridge west of Herbaceous Grounds valley, north end.
Natural distribution: Europe and Asia.
- Populus alba** var. **croatica**. BOLLE'S POPLAR.
Location: Arboretum, with the above.
Natural distribution: Turkestan.
- Populus balsamifera**. BALSAM POPLAR.
Location: Arboretum, with the above.
Natural distribution: Northern North America.

Populus berolinensis. BERLIN POPLAR.

Location: Arboretum.

Hybrid.

Populus candicans. BALM OF GILEAD.

Location: Arboretum. Salicetum.

Natural distribution: Northern North America.

Populus deltoides. CAROLINA POPLAR.

Location: Arboretum.

Natural distribution: Eastern North America.

Populus Eugenei. EUGENE POPLAR.

Location: Arboretum. Salicetum.

Populus grandidentata. LARGE-TOOTHED ASPEN.

Location: Woodland, east of Herbaceous Grounds.

Natural distribution: Northeastern North America.

Populus italica. LOMBARDY POPLAR.

Location: Arboretum. Salicetum. North Bridge. Woodlawn

Road Bridge. Entrance to approach of Elevated Railroad.

Natural distribution: Europe.

Populus laurifolia. LAUREL-LEAVED POPLAR.

Location: Arboretum.

Natural distribution: Siberia.

Populus nigra. BLACK POPLAR.

Location: Arboretum.

Natural distribution: Europe and Asia.

Populus Petrowskiana. PETROWSKY'S POPLAR.

Location: Arboretum.

Hybrid.

Populus Sargentii. WESTERN COTTONWOOD.

Location: Arboretum.

Natural distribution: Western North America.

Populus serotina var. **Van Geerti.** VAN GEERT'S LATE POPLAR.

Location: Arboretum.

Hybrid.

Populus Simonii. SIMON'S BALSAM POPLAR.

Location: Arboretum. Along driveway, west of Conservatory

Range 1. West end of Long Bridge.

Natural distribution: Amur Valley to China.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

(Continued)

Populus Rasumowskyana. RASUMOWSKY'S POPLAR.

Location: Salicetum.

Hybrid.

Populus suaveolens. FRAGRANT POPLAR.

Location: Arboretum.

Natural distribution: Siberia, Mongolia and China.

Populus tremula. EUROPEAN ASPEN.

Location: Arboretum.

Natural distribution: Europe and Asia.

Populus tremuloides. AMERICAN ASPEN.

Location: Arboretum.

Natural distribution: Northern North America.

Populus trichocarpa. BLACK COTTONWOOD.

Location: Arboretum.

Natural distribution: Northwestern North America.

Populus sp. CHOPO POPLAR.

Location: Arboretum.

Introduced by the Bureau of Plant Industry from Grenada,
Spain.

Salix. WILLOW

Salix amygdalina var. **angustifolia.** NARROW-LEAVED ALMOND
WILLOW.

Location: Fruticetum.

Natural distribution: Europe and Asia.

Salix amygdaloides. PEACH-LEAVED WILLOW.

Location: Salicetum.

Natural distribution: Central and western United States.

Salix argentea. SILKY SAND WILLOW.

Location: Fruticetum.

Natural distribution: Europe.

Salix babylonica. WEEPING WILLOW.

Location: Salicetum. Arboretum.

Salix babylonica var. **annularis.** RING WILLOW.

Location: Arboretum.

Salix Basfordiana. BASFORD WILLOW.

Location: Salicetum.

Natural distribution: France.

Salix bicolor var. **Borreriana.** BORRER'S TEA-LEAVED WILLOW.

Location: Fruticetum.

Natural distribution: Europe.

Salix bicolor var. **Weigeliana.** WEIGEL'S WILLOW.

Location: Salicetum.

Natural distribution: Silesian Alps.

Salix calodendron. WIMMER'S WILLOW.

Location: Fruticetum.

Hybrid.

Salix caprea var. **elliptica.** ELLIPTIC-LEAVED GOAT WILLOW.

Location: Salicetum.

Natural distribution: Europe and Asia.

Salix cinerea. ASH WILLOW.

Location: Fruticetum. Salicetum.

Natural distribution: Europe and Asia.

Salix cinerea var. **aquatica.** BROAD-LEAVED ASH WILLOW.

Location: Fruticetum.

Salix cordata. HEART-LEAVED WILLOW.

Location: Salicetum. Fruticetum.

Natural distribution: Northern North America.

Salix cordata var. **angustata.** NARROW HEART-LEAVED WILLOW.

Location: Fruticetum.

Natural distribution: Northern North America.

Salix cordata var. **rigida.** EASTERN HEART-LEAVED WILLOW.

Location: Salicetum.

Natural distribution: New Brunswick to Pennsylvania.

Salix discolor. PUSSY WILLOW.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Salix elegantissima. THURLOW'S WEEPING WILLOW.

Location: Salicetum.

Natural distribution: Japan.

Salix Fendleriana. FENDLER'S WILLOW.

Location: Fruticetum.

Natural distribution: Rocky Mountain region.

Salix Forbiana. FORBY'S WILLOW.

Location: Fruticetum.

Hybrid.

Salix fragilis. BRITTLE WILLOW.

Location: Salicetum.

Natural distribution: Europe and northern Asia.

Salix glaucophylla var. **angustifolia.** NARROW GLAUCOUS-LEAVED WILLOW.

Location: Fruticetum.

Natural distribution: Northern North America.

Salix gracilistyla. THUNBERG'S WILLOW.

Location: Fruticetum. North shore of Aquatic Garden.

Natural distribution: Japan, Korea, and Manchuria.

Salix hexandra. EHRHART'S WILLOW.

Location: Fruticetum.

Natural distribution: Europe.

Salix holosericea. SMITH'S WILLOW.

Location: Salicetum. Fruticetum.

Natural distribution: Northern Europe.

Salix holosericea var. **ferruginea.** SMITH'S BROWN WILLOW.

Location: Fruticetum.

Salix incana. HOARY WILLOW.

Location: Fruticetum.

Natural distribution: Europe and Asia Minor.

Salix interior. SANDBAR WILLOW.

Location: Salicetum. Fruticetum.

Natural distribution: Northern North America.

Salix laurina. LAUREL WILLOW.

Location: Fruticetum.

Natural distribution: Northern Europe.

Salix lucida. SHINING WILLOW.

Location: Fruticetum.

Natural distribution: Northern North America.

Salix missouriensis. MISSOURI WILLOW.

Location: Salicetum.

Natural distribution: Central United States.

Salix missouriensis × **cordata.** HYBRID MISSOURI WILLOW.

Location: Salicetum.

Hybrid.

Salix mollissima. SOFT WILLOW.

Location: Fruticetum.

Natural distribution: Europe.

Salix nigra. BLACK WILLOW.

Location: Salicetum.

Natural distribution: Eastern North America.

Salix nigricans var. **elliptica.** ELLIPTIC-LEAVED BLACKISH WILLOW.

Location: Fruticetum. Salicetum.

Natural distribution: Europe.

Salix nigricans var. **obovata.** ANDERSON'S WILLOW.

Location: Fruticetum.

Salix nigricans var. **petraea.** ROCK BLACKISH WILLOW.

Location: Fruticetum.

Salix nigricans var. **rotundata.** ROUND-LEAVED BLACKISH WILLOW.

Location: Fruticetum.

Salix pendulina. WISCONSIN WEEPING WILLOW.

Location: Arboretum.

Hybrid.

Salix pentandra. BAY-LEAVED WILLOW.

Location: Salicetum.

Natural distribution: Europe and northern Asia.

Salix petiolaris. SLENDER WILLOW.

Location: Fruticetum.

Natural distribution: Central and northeastern North America.

Salix Pierotii. PIEROT'S WILLOW.

Location: Salicetum.

Natural distribution: Japan.

Salix purpurea. PURPLE WILLOW.

Location: Fruticetum. Salicetum.

Natural distribution: Europe, northern Africa and Asia.

Salix purpurea var. **angustifolia.** NARROW-LEAVED PURPLE WILLOW.

Location: Fruticetum.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Salix purpurea var. **gracilis**. SLENDER PURPLE WILLOW.

Location: Salicetum.

Salix purpurea var. **Lambertiana**. BOYTON WILLOW.

Location: Salicetum.

Salix purpurea var. **pyramidalis**. PYRAMIDAL PURPLE WILLOW.

Location: Salicetum.

Salix purpurea var. **sericea**. SILKY PURPLE WILLOW.

Location: Fruticetum.

Salix rubra. RED WILLOW.

Location: Fruticetum.

Natural distribution: Europe.

Salix sericea. SILKY WILLOW.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Salix sericea var. **subsericea**. ANDERSON'S SILKY WILLOW.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Salix Trevirani. TREVIRAN WILLOW.

Location: Salicetum.

Hybrid.

Salix tristis. SAGE WILLOW.

Location: Fruticetum.

Natural distribution: Eastern United States.

Salix viminalis. OSIER WILLOW.

Location: Fruticetum.

Natural distribution: Europe and Asia.

Salix viridis. GREEN WILLOW.

Location: Fruticetum.

Hybrid.

Salix vitellina. YELLOW WILLOW.

Location: Salicetum. Arboretum.

Natural distribution: Europe and Asia.

Salix vitellina var. **alba**. WHITE WILLOW.

Location: Salicetum.

Salix vitellina var. **alba splendens**. SILVERY WHITE WILLOW.

Location: Salicetum.

Salix vitellina var. **britzensis**. RED-STEMMED WILLOW.

Location: Salicetum.

Salix vitellina var. **pendula**. WEEPING YELLOW WILLOW.

Location: Salicetum.

Salix sp.

Location: Salicetum.

Introduced by the Bureau of Plant Industry from Pautingfu, China.

Salix sp.

Location: Fruticetum.

Introduced by the Bureau of Plant Industry, from Schahoschon, China.

Salix sp.

Location: Arboretum.

Introduced by the Bureau of Plant Industry from Langar, Chinese Turkestan.

MYRICACEAE. Bayberry Family

Comptonia. SWEET FERN

Comptonia peregrina. SWEET FERN.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Myrica carolinensis. BAYBERRY.

Location: Fruticetum. Wild: sparingly about the grounds on dry knolls and open hillsides.

Natural distribution: Eastern North America.

Myrica Gale. SWEET GALE.

Location: Fruticetum.

Natural distribution: North temperate regions.

LEITNERIACEAE. Corkwood Family

Leitneria. CORKWOOD

Leitneria floridana. CORKWOOD.

Location: Northeast of Aquatic Garden, at foot of bank.

Natural distribution: Florida, southern Missouri and Texas.

JUGLANDACEAE. Walnut Family

Pterocarya. WING-NUT**Pterocarya fraxinifolia** var. **dumosa.** CAUCASIAN WING-NUT.

Location: Arboretum.

Natural distribution: Caucasian Region.

Pterocarya stenoptera. NARROW-WINGED WING-NUT.

Location: Arboretum.

Natural distribution: China.

Juglans. WALNUT**Juglans cinerea.** BUTTERNUT.

Location: Arboretum.

Natural distribution: Eastern North America.

Juglans hybrid. HYBRID WALNUT.

Location: Arboretum.

Hybrid.

Juglans major. ARIZONA WALNUT.

Location: Arboretum.

Natural distribution: New Mexico, Arizona and Mexico.

Juglans mandschurica. MANCHURIAN WALNUT.

Location: Arboretum.

Natural distribution: Manchuria and Amurland.

Juglans nigra. BLACK WALNUT.Location: Arboretum. Along path from Museum to Elevated
Railroad Approach.

Natural distribution: Eastern United States.

Juglans regia. ENGLISH WALNUT.

Location: Arboretum.

Natural distribution: Southeastern Europe to China.

Juglans Sieboldiana. SIEBOLD'S WALNUT.

Location: Arboretum.

Natural distribution: Japan.

Hicoria. HICKORY**Hicoria alba.** MOCKER-NUT.

Location: Wild: occasional.

Natural distribution: Eastern United States.

Hicoria aquatica. WATER HICKORY.

Location: Arboretum.

Natural distribution: Southeastern United States.

Hicoria cordiformis. BITTER-NUT.

Location: Arboretum. Along path, Museum to Elevated Railroad Approach. Wild: scarce.

Natural distribution: Eastern United States.

Hicoria glabra. PIGNUT HICKORY.

Location: Wild: occasional.

Natural distribution: Eastern United States.

Hicoria laciniosa. BIG SHELLBARK HICKORY.

Location: Arboretum.

Natural distribution: Eastern United States.

Hicoria microcarpa. SMALL-FRUITED HICKORY.

Location: Wild: scarce.

Natural distribution: Northeastern United States.

Hicoria ovata. SHAG-BARK HICKORY.

Location: Near Depot Plaza.

Natural distribution: Eastern North America.

Hicoria Pecan. PECAN NUT.

Location: Arboretum.

Natural distribution: Southeastern United States.

BETULACEAE. Birch Family

Carpinus. HORNBEAM**Carpinus Betulus.** EUROPEAN HORNBEAM.

Location: Arboretum.

Natural distribution: Europe to Persia.

Carpinus caroliniana. AMERICAN HORNBEAM.

Location: Arboretum. Wild: near Economic Garden; near lakes; common in the wooded areas of the grounds.

Natural distribution: Eastern North America.

Ostrya. HOP HORNBEAM**Ostrya virginiana.** HOP HORNBEAM.

Location: Wild: Arboretum, path northeast of Senna family, and at Plum family; occasional in wooded areas of the grounds.

Corylus. HAZELNUT**Corylus americana. AMERICAN HAZELNUT.**

Location: Fruticetum. Economic Garden. Wild : scarce.

Natural distribution: Eastern North America.

Corylus Avellana. EUROPEAN HAZELNUT.

Location: Fruticetum.

Natural distribution: Temperate Old World.

Corylus Avellana var. atropurpurea. PURPLE EUROPEAN HAZELNUT.

Location: Fruticetum.

Corylus Avellana var. urticifolia. CUT-LEAVED EUROPEAN HAZELNUT.

Location: Fruticetum. Economic Garden.

Corylus maxima var. purpurea. PURPLE-LEAVED HAZELNUT.

Location: Fruticetum.

Natural distribution: Southern Europe.

Corylus pontica. ASIATIC HAZELNUT.

Location: Fruticetum.

Natural distribution: Western Asia.

Corylus rostrata. BEAKED HAZELNUT.

Location: Fruticetum.

Natural distribution: Northern North America.

Betula. BIRCH**Betula alba var. ovalis. OVAL HAIRY WHITE BIRCH.**

Location: Arboretum.

Natural distribution: Europe and Asia.

Betula alba var. rhombifolia. RHOMB-LEAVED HAIRY WHITE BIRCH.

Location: Arboretum.

Betula alleghanensis. SOUTHERN YELLOW BIRCH.

Location: Arboretum.

Natural distribution: Eastern United States.

Betula Andrewsii. ANDREWS' BIRCH.

Location: Arboretum.

Natural distribution: Colorado.

Betula coerulea. BLUE BIRCH.

Location: Arboretum.

Natural distribution: Northeastern United States.

Betula davurica. DAHURIAN BIRCH.

Location: Arboretum.

Natural distribution: Transbaikalia and Amur Region.

Betula Ermani. ERMAN'S BIRCH.

Location: Arboretum.

Natural distribution: Manchuria to Japan.

Betula fontinalis. WESTERN RED BIRCH.

Location: Arboretum.

Natural distribution: Rocky Mountains.

Betula glandulifera. SCRUB BIRCH.

Location: Fruticetum.

Natural distribution: Northern North America.

Betula lenta. CHERRY BIRCH.

Location: Arboretum. Along road east of Museum. Along path west of Conservatory Range 1. Wild: common on wooded ridges.

Natural distribution: Eastern North America.

Betula lutea. YELLOW BIRCH.

Location: Arboretum. Triangle near Lake Bridge. Along path west of Conservatory Range 1. Near Pinetum plaza.

Natural distribution: Eastern North America.

Betula nigra. RIVER BIRCH.

Location: Arboretum.

Natural distribution: Eastern United States.

Betula papyrifera. PAPER BIRCH.

Location: Arboretum.

Natural distribution: Northern North America.

Betula pendula. WHITE BIRCH.

Location: Arboretum.

Natural distribution: Europe and Asia.

Betula pendula var. *dalecarlica* (*Betula pendula* var. *laciniata*).
FERN-LEAVED WHITE BIRCH.

Location: Arboretum.

Natural distribution: Sweden.

Betula pendula var. *gracilis*. WEEPING FERN-LEAVED WHITE
BIRCH

Location: Arboretum.

Betula pendula Mandschurica. MANCHURIAN WHITE BIRCH.

Location: Arboretum.

Natural distribution: Manchuria.

Betula pendula var. Tauschii. JAPANESE WHITE BIRCH.

Location: Arboretum.

Natural distribution: Japan.

Betula populifolia. GRAY BIRCH.

Location: Arboretum. Along path, north end of Herbaceous Grounds. Wild: along woodland borders, or more rarely in the woods.

Alnus. ALDER

Alnus alnobetula. MOUNTAIN ALDER.

Location: Fruticetum.

Natural distribution: North Temperate Regions.

Alnus Alnus (*Alnus glutinosa*). EUROPEAN ALDER.

Location: Arboretum.

Natural distribution: Europe.

Alnus cordata. HEART-LEAVED ALDER.

Location: Arboretum.

Natural distribution: Corsica and southern Italy.

Alnus elliptica. CORSICAN ALDER.

Location: Arboretum.

Natural distribution: Corsica.

Alnus incana. HOARY ALDER.

Location: Arboretum.

Natural distribution: North temperate regions.

Alnus japonica. JAPANESE ALDER.

Location: Arboretum.

Natural distribution: Japan.

Alnus rugosa. SMOOTH ALDER.

Location: Fruticetum. Along path east of Museum. Wild: common in low places and along lakes and streams.

Natural distribution: Eastern United States.

Alnus subcordata. CAUCASIAN ALDER.

Location: Arboretum.

Natural distribution: Caucasus and northern Persia.

***Alnus tinctoria.* DYE ALDER.**

Location: Arboretum.

Natural distribution: Japan.

FAGACEAE. Beech Family

Fagus.* BEECH**Fagus grandifolia.* AMERICAN BEECH.**

Location: Arboretum. Along driveway at Viburnum triangle, south of Museum. Wild: common in wooded areas; fine examples along the Bronx River near the Japanese Cherry Collection.

Natural distribution: Eastern North America.

***Fagus sylvatica.* EUROPEAN BEECH.**

Location: Arboretum. West end of West Lake.

Natural distribution: Europe and Caucasus.

***Fagus sylvatica* var. *heterophylla.* FERN-LEAVED EUROPEAN BEECH.**

Location: Arboretum.

***Fagus sylvatica* var. *pendula.* WEEPING EUROPEAN BEECH.**

Location: Arboretum. Near Depot Plaza. South of Mansion.

***Fagus sylvatica* var. *purpurea.* PURPLE EUROPEAN BEECH.**

Location: Arboretum. Near Depot Plaza.

***Fagus sylvatica* var. *purpurea pendula.* PURPLE WEEPING EUROPEAN BEECH.**

Location: Arboretum.

***Fagus sylvatica* var. *Riversii.* RIVERS' EUROPEAN BEECH.**

Location: Arboretum.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Castanea. CHESTNUT

Castanea crenata. JAPANESE CHESTNUT.

Location: Arboretum.

Natural distribution: Japan and China.

Castanea dentata. AMERICAN CHESTNUT.

Location: Formerly common in many fine specimens in the grounds of the Garden, but now practically destroyed by the chestnut blight; remaining only as sprouts from old stumps.

Natural distribution: Eastern United States and Ontario.

Castanea mollissima. CHINESE CHESTNUT.

Location: Arboretum.

Natural distribution: China.

Castanea pumila. CHINQUAPIN.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Quercus. OAK

Quercus alba. WHITE OAK.

Location: Arboretum, southeast corner of area devoted to the Apple family. Along path near Museum approach. Along drive at west end of west lake. Corner of Viburnum triangle south of Museum. Wild: common in wooded areas.

Natural distribution: Eastern North America.

Quercus alba × **Quercus bicolor.** HYBRID OAK.

Location: Arboretum.

Hybrid.

Quercus alba × **Quercus Prinus.** HYBRID OAK.

Location: Arboretum.

Hybrid.

Quercus bicolor. SWAMP WHITE OAK.

Location: Arboretum. Along drive, east of Museum. Along drive west of Museum. Wild: occasional.

Natural distribution: Eastern North America.

Quercus Cerris. TURKEY OAK.

Location: Arboretum. Along drive west of Conservatory Range 1.

Natural distribution; Southeastern Europe and western Asia.

Quercus coccinea. SCARLET OAK.

Location: Arboretum. Wild: quite frequent in the southern woods west of the Bronx River.

Natural distribution: Northeastern United States.

Quercus dentata. JAPANESE TOOTHED OAK.

Location: Arboretum.

Natural distribution: Japan.

Quercus ellipsoidalis. HILL'S OAK.

Location: Arboretum.

Natural distribution: North Central United States.

Quercus glandulifera. GLAND-BEARING OAK.

Location: Arboretum.

Natural distribution: Japan.

Quercus grosseserrata. LARGE-TOOTHED OAK.

Location: Arboretum.

Natural distribution: Japan.

Quercus heterophylla. BARTRAM'S OAK.

Location: Arboretum; several trees raised from seed from a single individual showing an interesting gradation between the parents.

Hybrid between *Quercus Phellos* and *Quercus rubra*.

Quercus imbricaria. SHINGLE OAK.

Location: Arboretum.

Natural distribution: Eastern United States.

Quercus lobata. CALIFORNIA WHITE OAK.

Location: Arboretum. Fruticetum.

Natural distribution: California.

Quercus lyrata. SWAMP POST OAK.

Location: Arboretum. Along drive west end of west lake.

Along drive near Viburnum triangle south of Museum.

Natural distribution; Southeastern United States.

Quercus macrocarpa. MOSSY-CUP OAK.

Location: Arboretum. Along drive Lake Bridge to South Gate, near drinking fountain and near Pinetum plaza.

Natural distribution: Eastern North America.

Quercus marilandica. BLACK JACK OAK.

Location: Arboretum.

Natural distribution: Southeastern United States.

Quercus Michauxii. COW OAK.

Location: Arboretum.

Natural distribution: Southeastern United States.

Quercus montana. CHESTNUT OAK.

Location: Arboretum.

Natural distribution: Eastern United States and Ontario.

Quercus nana. SCRUB OAK.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Quercus palustris. PIN OAK.

Location: Arboretum. Along driveway from Depot Plaza to Fruticetum. Along path from Plaza at 200th Street entrance to approach to elevated railway. Along driveway southeast of Museum. Wild: common.

Natural distribution: Eastern United States.

Quercus palustris × **Quercus imbricaria.** HYBRID OAK.

Location: Arboretum.

Hybrid.

Quercus prinoides. SCRUB CHESTNUT OAK.

Location: Fruticetum.

Natural distribution: Eastern United States.

Quercus Prinus. ROCK CHESTNUT OAK.

Location: Arboretum. Wild: occasional in the south woods west of the Bronx River.

Natural distribution: Northeastern United States.

Quercus Robur. ENGLISH OAK.

Location: Arboretum.

Natural distribution: Europe and western Asia.

Quercus Robur var. **atropurpurea.** PURPLE-LEAVED ENGLISH OAK.

Location: Arboretum.

Quercus Robur var. **Concordia.** GOLDEN ENGLISH OAK.

Location: Arboretum.

Quercus Robur var. **fastigiata.** COLUMNAR ENGLISH OAK.

Location: Arboretum.

Quercus Robur var. *fastigiata cupressoides*. NARROW-LEAVED
COLUMNAR ENGLISH OAK.

Location: Arboretum.

Quercus rubra. RED OAK.

Arboretum. Along driveway from Depot Plaza to Fruticetum.

Along driveway south of Museum. Along path south
of the west lake. Wild: common.

Natural distribution: Eastern North America.

Quercus Schneckii. SCHNECK'S OAK.

Location: Arboretum.

Natural distribution: South Central United States.

Quercus serrata. SAW-TOOTHED OAK.

Location: Arboretum.

Natural distribution: China and Japan.

Quercus sessiliflora. SHORT-STALKED ENGLISH OAK.

Location: Arboretum.

Natural distribution: Europe and western Asia.

Quercus sinuata. WALTER'S OAK.

Location: Arboretum.

Hybrid between *Quercus nigra* and *Quercus Catesbaei*.

Quercus stellata. POST OAK.

Location: Arboretum.

Natural distribution: Eastern United States.

Quercus velutina. BLACK OAK.

Location: Arboretum. Near Economic Garden. Southeast
of Museum, along path to Economic Garden. Wild:
common.

Natural distribution: Eastern United States.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

ULMACEAE. Elm Family

Ulmus. ELM

Ulmus alata. WINGED ELM.

Location: Arboretum.

Natural distribution: Southeastern United States.

Ulmus americana. AMERICAN ELM.

Location: At and near Depot Plaza. Near approach to elevated railway. Herbaceous Grounds. Along driveway west of Museum. In front of Mansion. Wild: common.

Natural distribution: Eastern North America.

Ulmus campestris var. *Berardii*. BERARD'S ELM.

Location: Fruticetum.

Horticultural origin.

Ulmus foliacea. SMOOTH-LEAVED ELM.

Location: Arboretum.

Natural distribution: Europe and western Asia.

Ulmus foliacea var. *pendula*. WEEPING SMOOTH-LEAVED ELM.

Location: Arboretum.

Ulmus foliacea var. *umbraculifera*. PERSIAN ELM.

Location: Arboretum.

Natural distribution: Persia and Turkestan.

Ulmus foliacea var. *Wheatleyi*. WHEATLEY'S ELM.

Location: Arboretum.

Ulmus fulva. SLIPPERY ELM.

Location: Arboretum, near Nursery. Wild: scarce.

Natural distribution: Eastern North America.

Ulmus glabra. SCOTCH ELM.

Location: Arboretum.

Natural distribution: Europe to Japan.

Ulmus glabra var. **grandidentata**. THREE-LOBED SCOTCH ELM.

Location: Arboretum.

Natural distribution: Europe to Japan.

Ulmus laevis. SMOOTH ELM.

Location: Arboretum.

Natural distribution: Central Europe to western Asia.

Ulmus parvifolia. CHINESE ELM.

Location: Arboretum.

Natural distribution: China and Japan.

Ulmus pumila. DWARF ELM.

Location: Arboretum.

Natural distribution: Central Asia.

Ulmus serotina. RED ELM.

Location: Arboretum.

Natural distribution: Southeastern United States.

Ulmus Thomasi. ROCK ELM.

Location: Arboretum.

Natural distribution: Northeastern North America.

Celtis. HACKBERRY**Celtis canina**. DOG HACKBERRY.

Location: Arboretum.

Natural distribution: Northeastern United States.

Celtis caucasica. CAUCASIAN HACKBERRY.

Location: Arboretum.

Natural distribution: Caucasus and northern Persia.

Celtis georgiana. GEORGIA HACKBERRY.

Location: Arboretum. Wild: rather common.

Natural distribution: Southeastern United States.

Celtis occidentalis. HACKBERRY.

Location: Arboretum. Wild: occasional.

Natural distribution: Eastern North America.

Celtis sinensis. CHINESE HACKBERRY.

Location: Arboretum.

Natural distribution: China and Japan.

Celtis Smallii. SMALL'S HACKBERRY.

Location: Arboretum.

Natural distribution: Southeastern United States.

Zelkova. ZELKOVA**Zelkova serrata.** SHARP-POINTED ZELKOVA.

Location: Arboretum.

Natural distribution: Japan.

MORACEAE. Mulberry Family

Morus. MULBERRY**Morus alba.** WHITE MULBERRY.

Location: Arboretum.

Natural distribution: Asia.

Morus alba var. **pendula.** WEEPING WHITE MULBERRY.

Location: Arboretum.

Morus alba var. **tartarica.** RUSSIAN MULBERRY.

Location: Arboretum. Fruticetum. Approach to elevated railway.

Natural distribution: Russia.

Morus rubra. RED MULBERRY.

Location: Arboretum.

Natural distribution: Eastern United States.

Toxylon. OSAGE ORANGE**Toxylon pomiferum.** OSAGE ORANGE.

Location: Arboretum.

Natural distribution: South central United States.

Broussonetia. PAPER MULBERRY**Broussonetia papyrifera.** PAPER MULBERRY.

Location: Arboretum.

Natural distribution: China and Japan.

TROCHODENDRACEAE. Kadsura Tree Family

Cercidiphyllum. KADSURA TREE**Cercidiphyllum japonicum.** KADSURA TREE.

Location: Arboretum. Approach to elevated railway.

Natural distribution: Japan.

Eucommia. EUCOMMIA**Eucommia ulmoides.** ELM-LEAVED EUCOMMIA.

Location: Arboretum.

Natural distribution: China.

RANUNCULACEAE. Crowfoot Family.

Paeonia. PEONY.**Paeonia Moutan.** TREE PEONY.

Location: Fruticetum. Along path from approach to Elevated Railroad to Conservatory Range I.

Natural distribution: China.

Xanthorrhiza. SHRUB YELLOW-ROOT.**Xanthorrhiza apiifolia.** SHRUB YELLOW-ROOT.

Location: Fruticetum. Boulder Bridge.

Natural distribution: Southeastern United States.

LARDIZABALACEAE. Voqui Family.

Akebia. AKEBI.**Akebia quinata.** AKEBIA KADSURA.

Location: Viticetum.

Natural distribution: China and Japan.

BERBERIDACEAE. Barberry Family.

Odostemon. MAHONIA.**Odostemon japonicus** (*Mahonia japonica*). JAPANESE MAHONIA.

Location: Fruticetum.

Natural distribution: Himalayan Region to China.

Odostemon japonicus var. **gracillimus.** SLENDER JAPANESE MAHONIA.

Location: Fruticetum.

Odostemon nutkanus. OREGON GRAPE.

Location: Fruticetum.

Natural distribution: Northwestern North America.

Odostemon nutkanus var. **diffusus.** SPREADING OREGON GRAPE.

Location: Fruticetum.

Odostemon nutkanus var. **opacus.** DULL-LEAVED OREGON GRAPE.

Location: Fruticetum.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Berberis. BARBERRY

Berberis amurensis. AMUR BARBERRY.

Location: Fruticetum.

Natural distribution: Manchuria and northern China.

Berberis aristata. SPINE-TOOTHED BARBERRY.

Location: Fruticetum.

Natural distribution: Himalayan Region.

Berberis brevipaniculata. SHORT-CLUSTERED BARBERRY.

Location: Fruticetum.

Natural distribution: China.

Berberis buxifolia. BOX-LEAVED BARBERRY.

Location: Fruticetum.

Natural distribution: Chili.

Berberis buxifolia var. **nana.** DWARF BOX-LEAVED BARBERRY.

Location: Fruticetum.

Berberis cerasina. CHERRY-COLORED BARBERRY.

Location: Fruticetum.

Hybrid.

Berberis concinna. NEAT BARBERRY.

Location: Fruticetum.

Natural distribution: Himalayan Region.

Berberis diaphana. SCARLET BARBERRY.

Location: Fruticetum.

Natural distribution: Western China.

Berberis emarginata. NOTCHED BARBERRY.

Location: Fruticetum.

Hybrid.

Berberis Poireti. POIRET'S BARBERRY.

Location: Fruticetum.

Natural distribution: Northern China and Amurland.

Berberis Prattii. PRATT'S BARBERRY.

Location: Fruticetum.

Natural distribution: Western China.

Berberis Regeliana. REGEL'S BARBERRY.

Location: Fruticetum.

Natural distribution: Japan.

Berberis sibirica. SIBERIAN BARBERRY.

Location: Fruticetum.

Natural distribution: Siberia.

Berberis Sieboldii. SIEBOLD'S BARBERRY.

Location: Fruticetum.

Natural distribution: Japan.

Berberis Thunbergii. THUNBERG'S BARBERRY.

Location: Fruticetum. North end of Lake Bridge. South Gate. Near east end of Long Bridge. Depot Plaza. Near Power House I.

Natural distribution: Japan.

Berberis Thunbergii var. **Maximowiczii.** MAXIMOWICZ'S BARBERRY.

Location: Fruticetum.

Berberis Thunbergii var. **minor.** THUNBERG'S DWARF BARBERRY.

Location: Fruticetum.

Berberis vulgaris. COMMON BARBERRY.

Location: Fruticetum.

Natural distribution: Europe to eastern Asia.

Berberis vulgaris var. **atropurpurea.** PURPLE-LEAVED COMMON BARBERRY.

Location: Fruticetum.

Berberis vulgaris var. **macrocarpa.** LARGE-FRUITED COMMON BARBERRY.

Location: Fruticetum.

Berberis vulgaris var. **sulcata.** FURROWED COMMON BARBERRY.

Location: Fruticetum.

Mahono-berberis. BI-GENERIC HYBRID •**Mahono-berberis Neuberti.** NEUBERT'S BARBERRY.

Location: Fruticetum.

MAGNOLIACEAE. Magnolia Family

Magnolia. MAGNOLIA**Magnolia acuminata.** CUCUMBER TREE.

Location: Arboretum.

Natural distribution: Southeastern United States.

Magnolia denudata. YULAN MAGNOLIA.

Location: Arboretum.

Natural distribution: Central China.

Magnolia Fraseri. LONG-LEAVED UMBRELLA TREE.

Location: Arboretum.

Natural distribution: Southeastern United States.

Magnolia Kobus. Thurber's Magnolia.

Location: Arboretum. Fruticetum.

Natural distribution: Japan.

Magnolia liliflora. LILY-FLOWERED MAGNOLIA.

Location: Fruticetum. Arboretum.

Natural distribution: China and Japan.

Magnolia liliflora var. **nigra.** BLACK LILY-FLOWERED MAGNOLIA.

Location: Arboretum.

Magnolia macrophylla. LARGE-LEAVED UMBRELLA TREE.

Location: Herbaceous Grounds.

Natural distribution: Southeastern United States.

Magnolia obovata. WHITE-LEAVED JAPANESE MAGNOLIA.

Location: Arboretum.

Natural distribution: Japan.

Magnolia Soulangeana. SOULANGE'S MAGNOLIA.

Location: Arboretum. Fruticetum.

Hybrid.

Magnolia Soulangeana var. **alba superba.** SOULANGE'S WHITE MAGNOLIA.

Location: Arboretum.

Magnolia Soulangeana var. **Alexandrina.** ALEXANDRINE MAGNOLIA.

Location: Arboretum.

Magnolia Soulangeana var. **Lennei.** LENNE'S MAGNOLIA.

Location: Arboretum.

Magnolia Soulangeana var. **Norbertiana**. NORBERT'S MAGNOLIA.

Location: Arboretum.

Magnolia Soulangeana var. **Niemetzii**. COLUMNAR HYBRID MAGNOLIA.

Location: Arboretum.

Magnolia Soulangeana var. **rustica**. DARK PURPLE MAGNOLIA.

Location: Arboretum.

Magnolia Soulangeana var. **speciosa**. SOULANGE'S STRIPED MAGNOLIA.

Location: Arboretum.

Magnolia stellata. HALL'S MAGNOLIA.

Location: Fruticetum. Arboretum.

Natural distribution: Japan.

Magnolia tripetala. UMBRELLA TREE.

Location: Arboretum. Herbaceous Grounds.

Natural distribution: Southeastern United States.

Magnolia virginiana (*Magnolia glauca*). SWEET BAY.

Location: Arboretum. Fruticetum. Economic Garden.

Natural distribution: Southeastern United States.

Magnolia Watsonii. WATSON'S MAGNOLIA.

Location: Arboretum. Fruticetum.

Natural distribution: Japan.

Liriodendron. TULIP TREE

Liriodendron Tulipifera. TULIP TREE.

Location: Arboretum. At 200th St. entrance. Near fountain, foot of Museum approach. Along driveways, Museum approach. Wild: common.

Liriodendron Tulipifera var. **fastigiata**. COLUMNAR TULIP TREE.

Location: Arboretum.

CALYCANTHACEAE. Strawberry-shrub Family

Calycanthus. STRAWBERRY SHRUB

Calycanthus floridus. HAIRY STRAWBERRY SHRUB.

Location: Fruticetum.

Natural distribution: Southeastern United States.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN.

Calycanthus Mohrii. MOHR'S STRAWBERRY SHRUB.

Location: Fruticetum.

Natural distribution: Southern Tennessee and northern Alabama.

Calycanthus nanus. DWARF STRAWBERRY SHRUB.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Calycanthus occidentalis. WESTERN STRAWBERRY SHRUB.

Location: Fruticetum.

Natural distribution: California.

Meratia. ORIENTAL SWEET SHRUB

Meratia praecox (*Chimonanthus fragrans*). ORIENTAL SWEET SHRUB.

Location: Fruticetum.

Natural distribution: China and Japan.

ANONACEAE. Custard-apple Family

Asimina. PAPAW

Asimina triloba. NORTH AMERICAN PAPAW.

Location: Herbaceous Grounds.

Natural distribution: Eastern United States and Ontario.

LAURACEAE. Laurel Family

Sassafras. SASSAFRAS

Sassafras Sassafras. SASSAFRAS.

Location: Wild: common. Ridge west of Herbaceous Grounds.
Along South Walk. North shore of west lake. North
walk of Fruticetum.

Benzoin. SPICE-BUSH

Benzoin aestivale. SPICE-BUSH.

Location: Fruticetum. Wild: common in swampy or wet
woods, and along streams and lakes.

HYDRANGEACEAE. Hydrangea Family

Philadelphus. SYRINGA**Philadelphus columbianus.** COLUMBIAN SYRINGA.

Location: Fruticetum.

Natural distribution: Northwestern North America.

Philadelphus Conquete. CONQUETE SYRINGA.

Location: Fruticetum. West border, north of Mosholu Parkway entrance.

Hybrid.

Philadelphus coronarius. MOCK ORANGE.

Location: Fruticetum.

Natural distribution: Caucasus, Armenia, and southeastern Europe.

Philadelphus coronarius var. **foliis aureis.** GOLDEN-LEAVED
MOCK ORANGE.

Location: Fruticetum.

Philadelphus coronarius var. **nanus.** DWARF MOCK ORANGE.

Location: Fruticetum.

Philadelphus Falconeri. FALCONER'S SYRINGA.

Location: Fruticetum.

Natural distribution: Japan.

Philadelphus gloriosus. GEORGIA SYRINGA.

Location: Fruticetum.

Natural distribution: Georgia and Alabama.

Philadelphus hirsutus. HAIRY SYRINGA.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Philadelphus incanus. GRAY SYRINGA.

Location: Fruticetum.

Natural distribution: China.

Philadelphus inodorus. SCENTLESS SYRINGA.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Philadelphus latifolius. PUBESCENT SYRINGA.

Location: Fruticetum.

Natural distribution: Tennessee and Alabama.

Philadelphus Lemoinei. LEMOINE'S SYRINGA.

Location: Fruticetum.

Hybrid.

Philadelphus Lemoinei var. **Albatre.** ALABASTER SYRINGA.

Location: Fruticetum.

Philadelphus Lemoinei var. **Avalanche.** AVALANCHE SYRINGA.

Location: Fruticetum. West Border, north of Mosholu Parkway entrance.

Philadelphus Lemoinei var. **Bannière.** BANNER SYRINGA.

Location: Fruticetum. West Border, with the above.

Philadelphus Lemoinei var. **Bouquet Blanc.** WHITE-BOUQUET SYRINGA.

Location: Fruticetum. West Border, with the above.

Philadelphus Lemoinei var. **Dame Blanche.** WHITE-LADY SYRINGA.

Location: Fruticetum. West Border, with the above.

Philadelphus Lemoinei var. **erectus.** LEMOINE'S ERECT SYRINGA.

Location: Fruticetum. West Border, with the above.

Philadelphus Lemoinei var. **Mer de Glace.** SEA-OF-ICE SYRINGA.

Location: Fruticetum.

Philadelphus Lemoinei var. **Norma.** NORMA SYRINGA.

Location: Fruticetum. West Border, north of Mosholu Parkway entrance.

Philadelphus Lemoinei var. **Virginal.** VIRGINAL SYRINGA.

Location: Fruticetum. West Border, with the above.

Philadelphus Nuée Blanche. WHITE-CLOUD SYRINGA.

Location: Fruticetum. West Border, with the above.

Hybrid.

Philadelphus Phantasia var. **Sirene.** SIREN SYRINGA.

Location: Fruticetum.

Hybrid.

Philadelphus Phantasia var. **Surprise.** SURPRISE SYRINGA.

Location: Fruticetum.

Philadelphus Rosace. ROSE SYRINGA.

Location: Fruticetum. West Border, north of Mosholu Parkway entrance.

Hybrid.

Philadelphus Satsumanus. JAPANESE SYRINGA.

Location: Fruticetum.

Natural distribution: China and Japan.

Philadelphus Satsumanus var. **nikkoensis.** NIKKO SYRINGA.

Location: Fruticetum.

Philadelphus sericanthus var. **Rehderianus.** REHDER'S SYRINGA.

Location: Fruticetum.

Natural distribution: China.

Philadelphus speciosus. SHOWY SYRINGA.

Location: Fruticetum.

Natural distribution: North Carolina and Georgia.

Philadelphus tomentosus. WOOLLY-LEAVED SYRINGA.

Location: Fruticetum.

Natural distribution: Himalayan Region.

Philadelphus verrucosus var. **pendulifolius.** DROOPING-LEAVED SYRINGA.

Location: Fruticetum.

Horticultural origin.

Philadelphus Voie Lactée. MILKY-WAY SYRINGA.Location: Fruticetum. West Border, north of Mosholu
Parkway entrance.

Hybrid.

Deutzia. DEUTZIA**Deutzia Candelabrum.** CANDELABRUM DEUTZIA.

Location: Fruticetum. West Border, with the above.

Hybrid.

Deutzia Candelabrum var. **erecta.** ERECT CANDELABRUM DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia Candelabrum var. **fastuosa.** SUPERB CANDELABRUM DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia candida. WHITE-FLOWERED HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.

Hybrid.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Deutzia carnea. FLESH-COLORED HYBRID DEUTZIA.

Location: Fruticetum. West Border, north of Mosholu Parkway entrance,
Hybrid.

Deutzia carnea var. **densiflora.** DENSE-FLOWERED HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia carnea var. **lactea.** MILK-WHITE HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia elegantissima. ELEGANT HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.
Hybrid.

Deutzia elegantissima var. **arcuata.** WAND HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia elegantissima var. **fasciculata.** FASCICLED HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia excellens. CHOICE HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.
Hybrid.

Deutzia Fleur de Pêche. PEACH-BLOSSOM HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.
Hybrid.

Deutzia gracilis. SLENDER DEUTZIA.

Location: Fruticetum.
Natural distribution: Japan.

Deutzia Lemoinei. LEMOINE'S DEUTZIA.

Location: Fruticetum.
Hybrid.

Deutzia Lemoinei var. **compacta.** LEMOINE'S DENSE DEUTZIA.

Location: Fruticetum.

Deutzia Lemoinei var. **compacta** **Avalanche.** AVALANCHE
DEUTZIA.

Location: Fruticetum. West Border, north of Mosholu
Parkway entrance.

Deutzia longifolia. LONG-LEAVED DEUTZIA.

Location: Fruticetum.

Natural distribution: Western China.

Deutzia magnifica. DOUBLE-FLOWERED TALL DEUTZIA.

Location: Fruticetum. West Border, north of Mosholu
Parkway entrance.

Hybrid.

Deutzia magnifica var. **eburnea.** TALL IVORY DEUTZIA.

Location: Fruticetum West Border, with the above.

Deutzia magnifica var. **erecta.** ERECT TALL DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia magnifica var. **formosa.** LARGE-PANICLED TALL
DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia magnifica var. **latiflora.** LARGE-FLOWERED TALL
DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia magnifica var. **superba.** WHITE SINGLE-FLOWERED
TALL DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia myriantha. MANY-FLOWERED HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.

Hybrid.

Deutzia parviflora. SMALL-FLOWERED DEUTZIA.

Location: Fruticetum.

Natural distribution: China.

Deutzia rosea. ROSY HYBRID DEUTZIA.

Location: Fruticetum. West Border, north of Mosholu
Parkway entrance.

Hybrid.

Deutzia rosea var. **campanulata.** BELL-FLOWERED HYBRID
DEUTZIA.

Location: Fruticetum. West Border, with the above

Deutzia rosea var. **carminea**. CARMINE HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia rosea var. **eximia**. SELECT HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia rosea var. **multiflora**. MANY-FLOWERED HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia rosea var. **venusta**. GRACEFUL HYBRID DEUTZIA.

Location: Fruticetum. West Border, with the above.

Deutzia scabra var. **angustifolia**. NARROW-LEAVED ROUGH DEUTZIA.

Location: Fruticetum.

Natural distribution: China and Japan.

Deutzia scabra var. **candidissima**. SNOW-WHITE DOUBLE DEUTZIA.

Location: Fruticetum.

Deutzia scabra var. **Fortunei**. FORTUNE'S DEUTZIA.

Location: Fruticetum.

Deutzia scabra var. **plena**. DOUBLE DEUTZIA.

Location: Fruticetum.

Deutzia scabra var. **plena** **Pride of Rochester**. PRIDE OF ROCHESTER DEUTZIA.

Location: Fruticetum.

Deutzia scabra var. **Watereri**. WATERER'S DEUTZIA.

Location: Fruticetum.

Deutzia Schneideriana var. **laxiflora**. LOOSE-FLOWERED DEUTZIA.

Location: Fruticetum.

Natural distribution: Western China.

Hydrangea. HYDRANGEA

Hydrangea arborescens. WILD HYDRANGEA.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Hydrangea arborescens var. **cordata**. HEART-LEAVED WILD HYDRANGEA.

Location: Fruticetum.

Hydrangea arborescens var. **grandiflora**. LARGE-FLOWERED
WILD HYDRANGEA.

Location: Fruticetum.

Hydrangea Bretschneideri. BRETSCHNEIDER'S HYDRANGEA.

Location: Fruticetum.

Natural distribution: Northern China.

Hydrangea cinerea. GRAY HYDRANGEA.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Hydrangea paniculata. PANICLED HYDRANGEA.

Location: Fruticetum.

Natural distribution: China and Japan.

Hydrangea paniculata var. **floribunda**. MANY-FLOWERED PAN-
ICLED HYDRANGEA.

Location: Fruticetum.

Hydrangea paniculata var. **grandiflora**. LAWN HYDRANGEA.

Location: Fruticetum. Along path, near 200th Street entrance.

Hydrangea paniculata var. **minor**. SMALL-PANICLED HYDRAN-
GEA.

Location: Fruticetum.

Hydrangea quercifolia. OAK-LEAVED HYDRANGEA.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Hydrangea radiata. SILVERY-LEAVED HYDRANGEA.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Hydrangea xanthoneura. YELLOW-VEINED HYDRANGEA.

Location: Fruticetum.

Natural distribution: Western China.

ITEACEAE. Virginia Willow Family

Itea. VIRGINIA WILLOW

Itea virginica. VIRGINIA WILLOW.

Location: Fruticetum.

Natural distribution: Southeastern United States.

GROSSULARIACEAE Gooseberry Family

Grossularia. GOOSEBERRY**Grossularia curvata.** SOUTHERN GOOSEBERRY.

Location: Fruticetum. West end of Long bridge.

Natural distribution: Georgia and Alabama.

Grossularia Cynosbati. WILD GOOSEBERRY.

Location: Fruticetum.

Natural distribution: Eastern North America.

Grossularia divaricata var. **pubiflora.** HAIRY WESTERN GOOSEBERRY.

Location: Fruticetum.

Natural distribution: Western North America.

Grossularia hirtella. LOW WILD GOOSEBERRY.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Grossularia pinetorum. PINELAND GOOSEBERRY.

Location: Fruticetum.

Natural distribution: New Mexico and Arizona.

Grossularia rotundifolia. EASTERN WILD GOOSEBERRY.

Location: Fruticetum.

Natural distribution: Eastern United States.

Ribes. CURRANT**Ribes alpinum.** MOUNTAIN CURRANT.

Location: Fruticetum.

Natural distribution: Europe.

Ribes americanum. WILD BLACK CURRANT.

Location: Fruticetum.

Natural distribution: Northern North America.

Ribes aureum. WESTERN GOLDEN CURRANT.

Location: Fruticetum.

Natural distribution: Western North America.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Ribes cereum. WESTERN CURRANT.

Location: Fruticetum.

Natural distribution: Western North America.

Ribes diacantha. SIBERIAN CURRANT.

Location: Fruticetum.

Natural distribution: Northern Asia.

Ribes fasciculatum. BUNCH-FLOWERED JAPANESE CURRANT.

Location: Fruticetum.

Natural distribution: Japan.

Ribes fasciculatum var. **chinense.** BUNCH-FLOWERED CHINESE
CURRANT.

Location: Fruticetum.

Natural distribution: Northern China.

Ribes glandulosum. FETID CURRANT.

Location: Fruticetum.

Natural distribution: Northern North America.

Ribes Gordonianum. GORDON'S CURRANT.

Location: Fruticetum.

Hybrid.

Ribes nigrum. EUROPEAN BLACK CURRANT.

Location: Fruticetum.

Natural distribution: Europe and northern Asia.

Ribes odoratum. GOLDEN CURRANT.

Location: Fruticetum. Opposite approach to Elevated Rail-
way.

Natural distribution: South Dakota to Texas.

Ribes orientale. ORIENTAL CURRANT.

Location: Fruticetum.

Natural distribution: Southeastern Europe and western Asia.

Ribes sanguineum. RED-FLOWERED WESTERN CURRANT.

Location: Fruticetum.

Natural distribution: Northwestern North America.

Ribes sanguineum var. **albescens**. WHITE-FLOWERED WESTERN
CURRANT.

Location: Fruticetum.

HAMAMELIDACEAE. Witch-hazel Family

Liquidambar. SWEET GUM

Liquidambar Styraciflua. SWEET GUM.

Location: Wild: common. A fine group of trees south of the
Museum. Along north path, north shore of west lake.
Along path from Fountain Enclosure to 200th St. entrance.

Parrotia. IRONWOOD

Parrotia persica. PERSIAN IRONWOOD.

Location: Fruticetum.

Natural distribution: Northern Persia.

Corylopsis. CORYLOPSIS

Corylopsis spicata. COMMON CORYLOPSIS.

Location: Fruticetum.

Natural distribution: Japan.

Fothergilla. FOTHERGILLA

Fothergilla Gardeni. WITCH ALDER.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Fothergilla major. LARGER WITCH ALDER.

Location: Fruticetum.

Natural distribution: North Carolina to Alabama.

Hamamelis. WITCH HAZEL

Hamamelis japonica. JAPANESE WITCH HAZEL.

Location: Fruticetum.

Natural distribution: Japan.

Hamamelis mollis. CHINESE WITCH HAZEL.

Location: Fruticetum.

Natural distribution: China.

Hamamelis virginiana. WITCH HAZEL:

Location: Fruticetum. Wild: common.

Natural distribution: Eastern North America.

PLATANACEAE. Plane-tree Family

Platanus. PLANE-TREE**Platanus acerifolia.** LONDON PLANE.

Location: Arboretum. Near Station Plaza.

Hybrid.

Platanus occidentalis. BUTTON-WOOD.

Location: Arboretum. Near Station Plaza. Drinking Fountain east of Museum. Along west path, Herbaceous Grounds. Wild: common.

ROSACEAE. Rose Family

Opulaster. NINEBARK**Opulaster intermedius.** PRAIRIE NINEBARK.

Location: Fruticetum.

Natural distribution: Central United States.

Opulaster opulifolius. EASTERN NINEBARK.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Opulaster opulifolius var. **luteus.** GOLDEN EASTERN NINEBARK.

Location: Fruticetum. At approach to Elevated Railway.

Opulaster opulifolius var. **tomentellus.** HAIRY EASTERN NINEBARK.

Location: Fruticetum.

Neillia. NEILLIA**Neillia sinensis.** CHINESE NEILLIA.

Location: Fruticetum.

Natural distribution: China.

Stephanandra. STEPHANANDRA**Stephanandra incisa** (*Stephanandra flexuosa*). COMMON STEPHANANDRA.

Location: Fruticetum.

Natural distribution: Japan and southern Korea.

Stephanandra Tanakae. LARGE-LEAVED STEPHANANDRA.

Location: Fruticetum.

Natural distribution: Japan.

Spiraea. SPIRAEA**Spiraea alba.** HAIRY MEADOW-SWEET.

Location: Fruticetum.

Natural distribution: Eastern United States.

Spiraea albiflora. JAPANESE WHITE SPIRAEA.

Location: Fruticetum. Shrub group west of Museum.

Natural distribution: Japan.

Spiraea alpina. MOUNTAIN SPIRAEA.

Location: Fruticetum.

Natural distribution: Northeastern Asia.

Spiraea arguta. ZABEL'S SPIRAEA.

Location: Fruticetum. Shrub group near 200th St. entrance.

Hybrid.

Spiraea Billiardii. BILLIARD'S SPIRAEA.

Location: Fruticetum.

Hybrid.

Spiraea Billiardii var. alba. BILLIARD'S WHITE SPIRAEA.

Location: Fruticetum.

Spiraea blanda. SWEET SPIRAEA.

Location: Fruticetum.

Hybrid.

Spiraea brachybotrys. SHORT-CLUSTERED SPIRAEA.

Location: Fruticetum.

Hybrid.

Spiraea Bumalda. BUMALDA SPIRAEA.

Location: Fruticetum.

Hybrid.

Spiraea Bumalda var. Anthony Waterer. ANTHONY WATERER SPIRAEA.

Location: Fruticetum.

Hybrid.

Spiraea canescens. CUNEATE SPIRAEA.

Location: Fruticetum.

Natural distribution: Asia.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Spiraea cantoniensis. REEVES' SPIRAEA.

Location: Fruticetum.

Natural distribution: China and Japan.

Spiraea cantoniensis var. **lanceata.** REEVES' DOUBLE-FLOW-
ERED SPIRAEA.

Location: Fruticetum. Shrub group near power house 1.

Spiraea chamaedryfolia. CHAMAEDRY'S SPIRAEA.

Location: Fruticetum.

Natural distribution: Southeastern Europe to Japan.

Spiraea Douglasii. DOUGLAS' SPIRAEA.

Location: Fruticetum.

Natural distribution: Northwestern North America.

Spiraea Henryi. HENRY'S SPIRAEA.

Location: Fruticetum.

Natural distribution: Central and western China.

Spiraea Henryi var. **notabilis.** HENRY'S LARGE-FLOWERED
SPIRAEA.

Location: Fruticetum.

Spiraea hypericifolia var. **chovata.** OBOVATE SPIRAEA.

Location: Fruticetum.

Natural distribution: Southeastern Europe.

Spiraea japonica. JAPANESE SPIRAEA.

Location: Fruticetum.

Natural distribution: Japan and China.

Spiraea japonica var. **atrosanguinea.** DARK-FLOWERED JAPA-
NESE SPIRAEA.

Location: Fruticetum.

Spiraea japonica var. **Fortunei.** FORTUNE'S SPIRAEA.

Location: Fruticetum.

Natural distribution: China.

Spiraea japonica var. **ovalifolia.** OVAL-LEAVED CHINESE
SPIRAEA.

Location: Fruticetum.

Natural distribution: Western China.

Spiraea latifolia. BROAD-LEAVED MEADOW-SWEET.

Location: Fruticetum.

Natural distribution: Northern North America.

Spiraea Lenneana. LENNE'S SPIRAEA.

Location: Fruticetum.

Hybrid.

Spiraea lucida. SHINING SPIRAEA.

Location: Fruticetum.

Natural distribution: Northwestern North America.

Spiraea macrothyrsa. LARGE-CLUSTERED SPIRAEA.

Location: Fruticetum.

Hybrid.

Spiraea Margaritae. MARGARITE'S SPIRAEA.

Location: Fruticetum.

Hybrid.

Spiraea Menziesii. MENZIES' SPIRAEA.

Location: Fruticetum.

Natural distribution: Alaska to Oregon.

Spiraea Miyabei var. **glabrata.** MIYABE'S GLABROUS SPIRAEA.

Location: Fruticetum.

Natural distribution: Central China.

Spiraea nipponica. BRACTED SPIRAEA.

Location: Fruticetum.

Natural distribution: Japan.

Spiraea pikowiensis. POLISH SPIRAEA.

Location: Fruticetum.

Natural distribution: Poland.

Spiraea prunifolia var. **plena.** BRIDAL-WREATH SPIRAEA.

Location: Fruticetum. Shrub group west of Museum.

Natural distribution: China and Japan.

Spiraea salicifolia. QUAKER LADY.

Location: Fruticetum.

Natural distribution: Eastern Europe to Japan.

Spiraea Sanssouciana. SANSSOUCI SPIRAEA.

Location: Fruticetum.

Hybrid.

Spiraea Thunbergii. THUNBERG'S SPIRAEA.

Location: Fruticetum. Shrub group west of Museum. Shrub group near 200th Street entrance.

Natural distribution: Japan.

Spiraea tomentosa. STEEPLE-BUSH.

Location: Fruticetum.

Natural distribution: Eastern North America.

Spiraea tomentosa var. **alba.** WHITE STEEPLE-BUSH.

Location: Fruticetum.

Spiraea trilobata. THREE-LOBED SPIRAEA.

Location: Fruticetum.

Natural distribution: Northern China to Siberia.

Spiraea Van Houttei. VAN HOUTTE'S SPIRAEA.

Location: Fruticetum. Shrub group west of Museum. Hybrid.

Spiraea Veitchii. VEITCH'S SPIRAEA.

Location: Fruticetum.

Natural distribution: Central China.

Spiraea Wilsonii. WILSON'S SPIRAEA.

Location: Fruticetum.

Natural distribution: Central and western China.

Sibiraea. SIBIRAEA**Sibiraea laevigata.** SIBIRAEA.

Location: Fruticetum.

Natural distribution: Siberia.

Schizonotus. MOUNTAIN-ASH SPIRAEA**Schizonotus arbusculus** var. **glabratus.** GLABROUS LARGE MOUNTAIN-ASH SPIRAEA.

Location: Fruticetum.

Natural distribution: Central and western China.

Schizonotus Lindleyanus. LINDLEY'S MOUNTAIN-ASH SPIRAEA.

Location: Fruticetum.

Natural distribution: Himalayan region and China.

Schizonotus sorbifolius. COMMON MOUNTAIN-ASH SPIRAEA.

Location: Fruticetum.

Natural distribution: Northern Asia.

Schizonotus stellipilus. STAR-HAIRED MOUNTAIN-ASH SPIRAEA.

Location: Fruticetum.

Natural distribution: Northeastern Asia.

Exochorda. PEARL-BUSH

Exochorda Giralda var. **Wilsonii.** WILSON'S PEARL-BUSH.

Location: Fruticetum.

Natural distribution: Central China.

Exochorda Koralkowi. TURKESTAN PEARL-BUSH.

Location: Fruticetum.

Natural distribution: Turkestan.

Exochorda racemosa (*Exochorda grandiflora*). CHINESE PEARL-BUSH.

Location: Fruticetum. Shrub group at approach to Elevated Railway.

Natural distribution: China.

Rhodotypos. WHITE JAPANESE ROSE

Rhodotypos kerrioides. WHITE JAPANESE ROSE.

Location: Fruticetum. Shrub group west of Museum.

Natural distribution: Japan.

Kerria. JAPANESE ROSE

Kerria japonica. JAPANESE ROSE.

Location: Fruticetum.

Natural distribution: Japan.

Kerria japonica var. **flore-pleno.** DOUBLE-FLOWERED JAPANESE ROSE.

Location: Fruticetum.

Neviusia. SNOW WREATH

Neviusia alabamensis. SNOW WREATH.

Location: Fruticetum.

Natural distribution: Alabama.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Rubus. BLACKBERRY

Rubus argutus. TALL BLACKBERRY.

Location: Fruticetum.

Natural distribution: Eastern United States.

Rubus canadensis. CANADIAN BLACKBERRY.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Rubus crataegifolius. THORN-LEAVED BLACKBERRY.

Location: Fruticetum.

Natural distribution: Japan.

Rubus fruticosus. EUROPEAN BLACKBERRY.

Location: Fruticetum.

Natural distribution: Europe.

Rubus laciniatus. CUT-LEAVED EUROPEAN BLACKBERRY.

Location: Fruticetum.

Natural distribution: Europe.

Rubus Linkianus: LINK'S BLACKBERRY.

Location: Fruticetum.

Horticultural origin.

Rubus nigricans. BRISTLY BLACKBERRY.

Location: Fruticetum.

Natural distribution: Northeastern United States and Quebec.

Rubus occidentalis: BLACK RASPBERRY.

Location: Fruticetum.

Natural distribution: Eastern North America.

Rubus permixtus. CONFUSED BLACKBERRY.

Location: Fruticetum.

Hybrid.

Rubus phoenicolasius. WINEBERRY.

Location: Fruticetum.

Natural distribution: China and Japan.

Rubus recurvans. RECURVED BLACKBERRY.

Location: Fruticetum.

Natural distribution: New England.

Rubus rosaefolius. STRAWBERRY-RASPBERRY.

Location: Fruticetum.

Natural distribution: Himalayan Region to Japan.

Rubus spectabilis. SALMONBERRY.

Location: Fruticetum.

Natural distribution: Alaska to California.

Rubus strigosus. RED RASPBERRY.

Location: Fruticetum.

Natural distribution: Northern North America.

Rubus triphyllus. SMALL-LEAVED RASPBERRY.

Location: Fruticetum.

Natural distribution: China and Japan.

Rubacer. THIMBLE-BERRY**Rubacer odoratum.** THIMBLE-BERRY.

Location: Fruticetum.

Natural distribution: Eastern North America.

Oreobatus. ROCKY MOUNTAIN RASPBERRY**Oreobatus deliciosus.** ROCKY MOUNTAIN RASPBERRY.

Location: Fruticetum.

Natural distribution: Rocky Mountains.

Rosa. ROSE**Rosa acicularis.** PRICKLY ROSE.

Location: Fruticetum.

Natural distribution: North temperate regions.

Rosa arvensis AYRSHIRE ROSE.

Location: Fruticetum.

Natural distribution: Europe.

Rosa Beggeriana. BEGGER'S ROSE.

Location: Fruticetum.

Natural distribution: Temperate Asia.

Rosa canina. DOG ROSE.

Location: Fruticetum.

Natural distribution: Europe.

Rosa carolina. PASTURE ROSE.

Location: Fruticetum.

Natural distribution: Eastern United States.

Rosa Copelandi. COPELAND'S ROSE.

Location: Fruticetum.

Natural distribution: California.

Rosa ferruginea. RED-LEAVED ROSE.

Location: Fruticetum.

Natural distribution: Europe.

Rosa hispida. HISPID ROSE.

Location: Fruticetum.

Natural distribution: Europe and western Asia.

Rosa Jundzilli. GLANDULAR DOG ROSE.

Location: Fruticetum.

Natural distribution: Europe and Asia Minor.

Rosa lutea var. **Harrisonii.** HARRISON'S YELLOW ROSE.

Location: Fruticetum.

Horticultural origin.

Rosa Lyoni var. **alba.** LYON'S WHITE ROSE.

Location: Fruticetum.

Natural distribution: Eastern North America.

Rosa multibracteata. MANY-BRACTED ROSE.

Location: Fruticetum.

Natural distribution: Western China.

Rosa multiflora. MANY-FLOWERED ROSE.

Location: Fruticetum. On rocks in Herbaceous grounds.

Along path southeast of Museum.

Natural distribution: China and Japan.

Rosa multiflora var. **flore-plena.** DOUBLE MANY-FLOWERED ROSE.

Location: Fruticetum.

Rosa nitida. NORTHEASTERN ROSE.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Rosa nutkana. NOOTKA ROSE.

Location: Fruticetum.

Natural distribution: Northwestern North America.

Rosa palustris. SWAMP ROSE.

Location: Fruticetum.

Natural distribution: Eastern North America.

Rosa Petersiana. PETERS' ROSE.

Location: Fruticetum.

Natural distribution: California.

Rosa pimpinellifolia. ALTAI ROSE.

Location: Fruticetum.

Natural distribution: Region of Altai Mountains.

Rosa rubiginosa. SWEETBRIER.

Location: Fruticetum.

Natural distribution: Europe.

Rosa rugosa. RAMANAS ROSE.

Location: Fruticetum.

Natural distribution: Japan.

Rosa rugosa var. **alba.** WHITE RAMANAS ROSE.

Location: Fruticetum.

Rosa Solanderi. MEADOW ROSE.

Location: Fruticetum.

Natural distribution: Eastern North America.

Rosa stylosa. LONG-STYLED ROSE.

Location: Fruticetum.

Natural distribution: Europe.

Rosa villosa. VILLOUS ROSE.

Location: Fruticetum.

Natural distribution: Europe and western Asia.

Rosa virginiana. SHINING ROSE.

Location: Fruticetum.

Natural distribution: Eastern North America.

Rosa Watsoniana. WATSON'S ROSE.

Location: Fruticetum.

Natural distribution: Japan.

Rosa Wichuraiana. MEMORIAL ROSE.

Location: On rocks at west ridge of Herbaceous Grounds.

Natural distribution: Japan.

Rosa Woodsii. WOODS' ROSE.

Location: Fruticetum.

Natural distribution: Western North America.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

MALACEAE. Apple Family

Cotoneaster. COTONEASTER

Cotoneaster foveolata. SCARLET COTONEASTER.

Location: Fruticetum.

Natural distribution: Central China.

Cotoneaster multiflora. MANY-FLOWERED COTONEASTER.

Location: Fruticetum.

Natural distribution: Spain to Himalayan Region.

Cotoneaster rotundifolia. ROUND-LEAVED COTONEASTER.

Location: Fruticetum.

Natural distribution: Himalayan Region.

Cotoneaster Simonsii. SIMONS' ROSE-BOX.

Location: Fruticetum.

Natural distribution: Himalayan Region.

Choenomeles. JAPAN QUINCE

Choenomeles japonica. JAPAN QUINCE.

Location: Fruticetum.

Natural distribution: China and Japan.

Choenomeles Maulei. MAULE'S JAPAN QUINCE.

Location: Fruticetum.

Natural distribution: Japan.

Choenomeles Maulei var. **alpina.** MAULE'S LOW JAPAN QUINCE.

Location: Fruticetum.

Choenomeles sinensis. CHINESE QUINCE.

Location: Fruticetum.

Natural distribution: China.

Pyrus. PEAR

Pyrus betulaefolia. BIRCH-LEAVED PEAR.

Location: Arboretum.

Natural distribution: China.

Pyrus communis. PEAR.

Location: Arboretum.

Natural distribution: Southern Europe and Asia.

Pyrus sp.

Location: Arboretum. Has not flowered as yet.

Malus. APPLE**Malus atrosanguinea.** CARMINE APPLE.

Location: Fruticetum.

Horticultural origin.

Malus baccata. SIBERIAN CRAB APPLE.

Location: Arboretum.

Natural distribution: Siberia to Manchuria and northern China.

Malus coronaria. NARROW-LEAVED CRAB APPLE.

Location: Arboretum.

Natural distribution: Eastern United States.

Malus Dawsoniana. DAWSON'S APPLE.

Location: Arboretum.

Hybrid.

Malus denticulata. TOOTHED APPLE.

Location: Arboretum.

Horticultural origin.

Malus denticulata var. **plena.** DOUBLE-FLOWERED TOOTHED APPLE.

Location: Arboretum.

Malus glaucescens. AMERICAN CRAB APPLE.

Location: Arboretum.

Natural distribution: Eastern United States.

Malus Halliana. HALL'S CRAB APPLE.

Location: Fruticetum.

Natural distribution: Western China.

Malus ioensis var. **Bechteli.** BECHTEL'S CRAB APPLE.

Location: Arboretum.

Horticultural origin.

Malus Kaido. KAIDO APPLE.

Location: Arboretum.

Natural distribution: Asia.

Malus Niedzwetzkyana. NIEDZWETZKY'S APPLE.

Location: Arboretum.

Natural distribution: Southwestern Siberia and Caucasus.

Malus prunifolia. CHERRY-LEAVED CRAB APPLE.

Location: Arboretum.

Natural distribution: Siberia.

Malus pulcherrima var. **Arnoldiana.** ARNOLD ARBORETUM APPLE.

Location: Arboretum.

Horticultural origin.

Malus pulcherrima var. **Scheideckerii.** SCHEIDECKER'S APPLE.

Location: Arboretum.

Horticultural origin.

Malus Sargentii. SARGENT'S APPLE.

Location: Arboretum.

Natural distribution: Japan.

Malus Sieboldii var. **arborescens.** TREE TORINGO CRAB APPLE.

Location: Arboretum.

Natural distribution: Japan.

Malus Sieboldii var. **calocarpa.** LARGE-FRUITED TORINGO CRAB APPLE.

Location: Arboretum.

Malus sikkimensis. HIMALAYAN APPLE.

Location: Arboretum.

Natural distribution: Himalayan Region.

Malus Soulardi. SOULARD'S CRAB APPLE.

Location: Arboretum.

Hybrid.

Malus spectabilis. CHINESE FLOWERING APPLE.

Location: Arboretum.

Natural distribution: China and Japan.

Malus spectabilis var. **Riversii.** DOUBLE-CHINESE FLOWERING APPLE.

Location: Arboretum.

Horticultural origin.

Malus transcendens. GARDEN CRAB APPLE.

Location: Arboretum.

Horticultural origin.

Malus yunnanensis. . YUNNAN APPLE.

Location: Arboretum.

Natural distribution: China.

Malus Zumi. ZUMI APPLE.

Location: Arboretum.

Natural distribution: Central Japan.

Sorbus. MOUNTAIN ASH**Sorbus americana.** AMERICAN MOUNTAIN ASH.

Location: Arboretum.

Natural distribution: Northeastern North America.

Sorbus Aucuparia. EUROPEAN MOUNTAIN ASH.

Location: Arboretum.

Natural distribution: Europe and Asia.

Sorbus Aucuparia var. **pendula.** WEEPING EUROPEAN MOUNTAIN ASH.

Location: Arboretum.

Aria. BEAM TREE**Aria Aria.** COMMON BEAM TREE.

Location: Arboretum.

Natural distribution: Europe and northern Asia.

Aria latifolia. BROAD-LEAVED BEAM TREE.

Location: Arboretum.

Natural distribution: Europe.

Aronia. CHOKE-BERRY**Aronia arbutifolia.** RED CHOKE-BERRY.

Location: Fruticetum.

Natural distribution: Eastern United States.

Aronia atropurpurea. PURPLE-FRUITED CHOKE-BERRY.

Location: Fruticetum.

Natural distribution: Eastern United States.

Aronia melanocarpa. BLACK CHOKE-BERRY.

Location: Fruticetum. East end of Aquatic Garden.

Natural distribution: Eastern North America.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Continued)

Pourthiaea. POURTHIAEA

Pourthiaea villosa. JAPANESE POURTHIAEA.

Location: Fruticetum.

Natural distribution: Japan and China.

Amelanchier. SERVICE-BERRY

Amelanchier asiatica. JAPANESE SERVICE-BERRY.

Location: Fruticetum.

Natural distribution: Japan and Korea.

Amelanchier canadensis. JUNE-BERRY.

Location: Fruticetum.

Natural distribution: Eastern North America.

Amelanchier intermedia. SHAD-BUSH.

Location: Fruticetum.

Natural distribution: Eastern United States.

Amelanchier sanguinea. ROUND-LEAVED JUNE-BERRY.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Amelanchier spicata. LOW JUNE-BERRY.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Crataegus. THORN

Some of the species have not produced flowers: such have been listed by the names under which they were received.

Crataegus acclivis. HILLSIDE THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus albicans. TATNALL'S THORN.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Crataegus alnorum. EDSON'S THORN.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Crataegus aprica. SUN THORN.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Crataegus Arnoldiana. ARNOLD'S THORN.

Location: Fruticetum. Arboretum.

Natural distribution: Eastern Massachusetts and Connecticut.

Crataegus aspera. ROUGH-LEAVED THORN.

Location: Fruticetum.

Natural distribution: Missouri.

Crataegus barbara. SLAVIN'S THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus Barryana. BARRY'S THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus Bartramiana. BARTRAM'S THORN.

Location: Arboretum.

Natural distribution: Eastern Pennsylvania.

Crataegus Baxteri. BAXTER'S THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus Boyntonii. BOYNTON'S THORN.

Location: Fruticetum.

Natural distribution: Eastern United States.

Crataegus Brainerdi. BRAINERD'S THORN.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Crataegus Brainerdi var. **Egglestoni.** EGGLESTON'S THORN.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Crataegus Brittonii. BRITTON'S THORN.

Location: Fruticetum.

Natural distribution: Southern Alleghenies.

Crataegus calpodendron. PEAR THORN.

Location: Fruticetum.

Natural distribution: Eastern United States.

Crataegus champlainensis. LAKE CHAMPLAIN THORN.

Location: Fruticetum.

Natural distribution: Region of St. Lawrence.

Crataegus chrysocarpa. ROUND-LEAVED THORN.

Location: Fruticetum.

Natural distribution: Northern North America.

Crataegus coccinea. SCARLET THORN.

Location: Fruticetum. Arboretum.

Natural distribution: Northeastern United States and Ontario.

Crataegus coccinioides. EGGERT'S THORN.

Location: Fruticetum.

Natural distribution: Eastern United States.

Crataegus collina. CHAPMAN'S HILL THORN.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Crataegus comans. ADORNED THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus contigua. STRAIGHT-BRANCHED THORN.

Location: Fruticetum.

Natural distribution: Vermont.

Crataegus Crus-galli. COCKSPUR THORN.

Location: Fruticetum. Arboretum.

Natural distribution: Eastern United States.

Crataegus cuneiformis. MARSHALL'S THORN.

Location: Arboretum.

Natural distribution: East central United States.

Crataegus denaria. PALMER'S THORN.

Location: Fruticetum.

Natural distribution: South central United States.

Crataegus disjuncta. MISSOURI THORN.

Location: Arboretum.

Natural distribution: South central United States.

Crataegus dispessa. BUSH'S THORN.

Location: Arboretum.

Natural distribution: Missouri.

Crataegus Dunbari. DUNBAR'S THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus durobrivensis. ROCHESTER THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus exigua. CONNECTICUT THORN.

Location: Arboretum.

Natural distribution: Connecticut.

Crataegus ferox. VICIOUS THORN.

Location: Fruticetum.

Natural distribution: Missouri.

Crataegus ferentaria. SOLDIER'S THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus formosa. BEAUTIFUL THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus globosa. GLOBE-FRUITED THORN.

Location: Fruticetum.

Natural distribution: Missouri and Kansas.

Crataegus gloriosa. GLORIOUS THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus gravis. FRUITFUL THORN.

Location: Fruticetum.

Natural distribution: Michigan.

Crataegus Harbisoni. HARBISON'S THORN.

Location: Fruticetum.

Natural distribution: Tennessee.

Crataegus insolens. AGGRESSIVE THORN.

Location: Fruticetum.

Natural distribution: Vermont.

Crataegus insueta. STRANGE THORN.

Location: Fruticetum.

Natural distribution: Pennsylvania.

Crataegus intricata. LANGE'S THORN.

Location: Fruticetum.

Natural distribution: Northeastern United States.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Crataegus irrasa. BLANCHARD'S THORN.

Location: Fruticetum.

Natural distribution: Vermont, New York and Quebec.

Crataegus Jesupi. JESUP'S THORN.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Crataegus Laneyi. LANEY'S THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus laurentiana. FERNALD'S THORN.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Crataegus leiophylla. MAINE'S THORN.

Location: Fruticetum.

Natural distribution: New York and Pennsylvania.

Crataegus lemingtonensis. LEMINGTON THORN.

Location: Fruticetum.

Natural distribution: Vermont and New Hampshire.

Crataegus Lennoniana. LENNON'S THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus littoralis. SEASIDE THORN.

Location: Fruticetum.

Natural distribution: Connecticut.

Crataegus Macauleyae. MISS MACAULEY'S THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus macracantha var. **rhombifolia.** SMALL-FRUITED LONG-SPINED THORN.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Crataegus macrosperma. VARIABLE THORN.

Location: Fruticetum.

Natural distribution: Northeastern United States and Nova Scotia.

Crataegus macrosperma var. **matura.** SHARP-LOBED VARIABLE THORN.

Location: Fruticetum.

Crataegus macrosperma var. **pastorum.** PASTURE VARIABLE THORN.

Location: Fruticetum.

Natural distribution: Western New England and New York.

Crataegus macrosperma var. **pentandra.** FIVE-STAMENED VARIABLE THORN.

Location: Fruticetum.

Natural distribution: Vermont to Virginia.

Crataegus Marshallii. PARSLEY HAW.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Crataegus missouriensis. MISSOURI THORN.

Location: Fruticetum.

Natural distribution: Missouri.

Crataegus mollis. DOWNY THORN.

Location: Arboretum.

Natural distribution: Northeastern North America.

Crataegus monogyna. HAW.

Location: Fruticetum. Arboretum.

Natural distribution: Europe and temperate Asia.

Crataegus monogyna var. **albo-plena.** WHITE DOUBLE-FLOW-
ERED HAW.

Location: Arboretum.

Horticultural origin.

Crataegus monogyna var. **rubro-plena.** RED DOUBLE-FLOW-
ERED HAW.

Location: Arboretum.

Horticultural origin.

Crataegus Oakesiana. OAKES' THORN.

Location: Fruticetum.

Natural distribution: Vermont.

Crataegus Paddockae. PADDOCK'S THORN.

Location: Fruticetum.

Natural distribution: Vermont.

Crataegus Painteriana. PAINTER'S THORN.

Location: Arboretum.

Natural distribution: Pennsylvania.

Crataegus pascens. DODGE'S THORN.

Location: Fruticetum.

Natural distribution: Michigan and Wisconsin.

Crataegus pequotorum. PEQUOT THORN.

Location: Fruticetum.

Natural distribution: Connecticut.

Crataegus persimilis. HYBRID THORN.

Location: Fruticetum.

Natural distribution: New York.

Crataegus phaenopyrum. WASHINGTON THORN.

Location: Fruticetum. Arboretum.

Natural distribution: Southeastern United States.

Crataegus Pringlei. PRINGLE'S THORN.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Crataegus pruinosa. WAXY-FRUITED THORN.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Crataegus punctata. DOTTED HAW.

Location: Fruticetum. Arboretum.

Natural distribution: Northeastern United States and Quebec.

Crataegus punctata var. aurea. YELLOW-FRUITED DOTTED HAW.

Location: Fruticetum.

Crataegus Reverchoni. REVERCHON'S THORN.

Location: Fruticetum.

Natural distribution: Missouri and Texas.

Crataegus rivularis. NARROW-LEAF HAW.

Location: Fruticetum.

Natural distribution: Great Basin Region.

Crataegus rudis. RED THORN.

Location: Fruticetum.

Natural distribution: Missouri.

Crataegus rugosa. FRETZ'S THORN.

Location: Fruticetum. Arboretum.

Natural distribution: Eastern United States.

Crataegus sanguinea var. **villosa.** WOOLY SIBERIAN THORN.

Location: Fruticetum.

Natural distribution: Russia.

Crataegus spathulata. SMALL-FRUITED HAW.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Crataegus straminea. ALLEGHANY THORN.

Location: Fruticetum.

Natural distribution: Eastern United States.

Crataegus succulenta. LONG-SPINED THORN.

Location: Fruticetum.

Natural distribution: Northeastern United States and Nova Scotia.

Crataegus succulenta var. **occidentalis.** COLORADO THORN.

Location: Fruticetum.

Natural distribution: Western United States.

Crataegus umbratilis. UMBRELLA THORN.

Location: Fruticetum.

Natural distribution: Connecticut.

Crataegus uniflora. DWARF THORN.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Crataegus Vailiae. MISS VAIL'S THORN.

Location: Fruticetum.

Natural distribution: Virginia, North Carolina and Missouri.

Crataegus villipes. THIN-LEAVED THORN.

Location: Fruticetum.

Natural distribution: Northeastern United States and Quebec.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

AMYGDALACEAE. Peach Family

Prunus. PLUM AND CHERRY

Prunus americana. WILD PLUM.

Location: Fruticetum.

Natural distribution: Eastern United States.

Prunus armeniaca. COMMON APRICOT.

Location: Arboretum.

Natural distribution: China.

Prunus avium. SWEET CHERRY.

Location: Arboretum.

Natural distribution: Europe.

Prunus Besseyi. WESTERN SAND CHERRY.

Location: Fruticetum.

Natural distribution: Central United States.

Prunus cerasifera. CHERRY PLUM.

Location: Arboretum.

Natural distribution: Caucasus and southwestern Asia.

Prunus cerasifera var. **Pissardii.** PURPLE-LEAVED CHERRY PLUM.

Location: Fruticetum.

Horticultural origin.

Prunus Cerasus var. **Rhexii.** DOUBLE-FLOWERED WHITE SOUR CHERRY.

Location: Arboretum.

Natural distribution: *Prunus Cerasus* is a native of Asia Minor, and possibly also of southeastern Europe. This variety is of horticultural origin.

Prunus Cerasus var. **semperflorens**. EVER-BLOOMING CHERRY.

Location: Arboretum.

Horticultural origin.

Prunus fruticosa. DWARF CHERRY.

Location: Fruticetum.

Natural distribution: Central Europe.

Prunus glandulosa var. **glabra albiplena**. WHITE DOUBLE-
FLOWERED DWARF CHERRY.

Location: Fruticetum.

Horticultural origin.

Prunus glandulosa var. **trichostyla sinensis**. PINK DOUBLE-
FLOWERED DWARF CHERRY.

Location: Fruticetum.

Horticultural origin.

Prunus incana. HOARY CHERRY.

Location: Fruticetum.

Natural distribution: Southeastern Europe and western Asia.

Prunus Mahaleb. MAHALEB CHERRY.

Location: Arboretum.

Natural distribution: Central and southern Europe and the
Caucasus.**Prunus maritima**. BEACH PLUM.

Location: Fruticetum.

Natural distribution: New Brunswick to Virginia.

Prunus Maximowiczii. MAXIMOWICZ'S CHERRY.

Location: Arboretum.

Natural distribution: Manchuria, Corea and Japan.

Prunus pennsylvanica. WILD RED CHERRY.

Location: Arboretum.

Natural distribution: Northern North America.

Prunus serrulata var. **Asahibotan**. Japanese name: ASAHI-
BOTAN.

Location: Arboretum.

Natural distribution: Japan. *Prunus serrulata*, the Japanese
Flowering Cherry, is native to Japan, and has there given
rise to many horticultural varieties.**Prunus serrulata** var. **atrorubra**. Japanese name: KIRIN.

Location: Arboretum.

- Prunus serrulata** var. **bullata**. Japanese name: OJOCHIN.
Location: Arboretum.
- Prunus serrulata** var. **candida**. Japanese name: ARIYAKE.
Location: Arboretum.
- Prunus serrulata** var. **classica**. Japanese name: FUGENZO.
Location: Arboretum.
- Prunus serrulata** var. **classica pulchra**. Japanese name: KO-FUGEN.
Location: Arboretum.
- Prunus serrulata** var. **conspicua**. Japanese name: OSHOKUN.
Location: Arboretum.
- Prunus serrulata** var. **decora**. Japanese name: HORINJI.
Location: Arboretum.
- Prunus serrulata** var. **erecta**. Japanese name: AMANOGAWA.
Location: Arboretum.
- Prunus serrulata** var. **formossissima**. Japanese name: BENI-TORA-NO-O.
Location: Arboretum.
- Prunus serrulata** var. **Hizakura**. Japanese name: HIZAKURA.
Location: Arboretum.
- Prunus serrulata** var. **luteo-virens**. Japanese name: UKON.
Location: Arboretum.
- Prunus serrulata** var. **Miyoko-zakura**. Japanese name: MI-YOKO-ZAKURA.
Location: Arboretum.
- Prunus serrulata** var. **nobilis**. Japanese name: YEDO ZAKURA.
Location: Arboretum.
- Prunus serrulata** var. **Ochichima**. Japanese name: OCHICHIMA.
Location: Arboretum.
- Prunus serrulata** var. **purpurascens**. Japanese name: KANZAN.
Location: Arboretum.
- Prunus serrulata** var. **rosea**. Japanese name: SHIDARE-ZAKURA.
Location: Arboretum.
- Prunus serrulata** var. **sachalinensis**. SAKHALIN CHERRY.
Location: Arboretum.
Natural distribution: Japan, Corea and Sakhalin.
- Prunus serrulata** var. **sericea**. Japanese name: NADEN.
Location: Arboretum.

- Prunus serrulata** var. **Shirataye**. Japanese name: SHIRATAYE.
Location: Arboretum.
- Prunus serrulata** var. **Shiro-fugen**. Japanese name: SHIRO-FUGEN.
Location: Arboretum.
- Prunus serrulata** var. **subfusca**. Japanese name: SUMIZOME.
Location: Arboretum.
- Prunus serrulata** var. **tricolor**. Japanese name: GYOIKO.
Location: Arboretum.
- Prunus serrulata** var. **unifolia**. Japanese name: ICHIYO.
Location: Arboretum.
- Prunus serrulata** var. **vexillipetala**. Japanese name: HATAZAKURA.
Location: Arboretum.
- Prunus serrulata** var. **Yoshino**. Japanese name: YOSHINO.
Location: Arboretum.
- Prunus serrulata** var. **Yoshino-zakura**. Japanese name: YOSHINO-ZAKURA.
Location: Arboretum.
- Prunus subhirtella**. JAPANESE ROSE-BUD CHERRY.
Location: Fruticetum. Arboretum.
Natural distribution: Japan.
- Prunus subhirtella** var. **ascendens**. HERINCQUE'S CHERRY.
Location: Arboretum.
Natural distribution: Japan and Corea.
- Prunus subhirtella** var. **pendula**. JAPANESE WEEPING CHERRY.
Location: Arboretum.
Natural distribution: Japan.
- Prunus tomentosa**. DOWNY CHERRY.
Location: Arboretum.
Natural distribution: Japan.

Amygdalus. PEACH.

- Amygdalus Davidiana**. DAVID'S PEACH.
Location: Arboretum.
Natural distribution: China.
- Amygdalus Davidiana** var. **alba**. DAVID'S WHITE-FLOWERED PEACH.
Location: Arboretum.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Amygdalus persica var. **albo-plena**. WHITE DOUBLE-FLOWERED
PEACH.

Location: Arboretum.

Natural distribution: *Amygdalus persica* is a native of China.

This variety is of horticultural origin.

Amygdalus persica var. **roseo-plena**. ROSE DOUBLE-FLOWERED
PEACH.

Location: Arboretum.

Amygdalus persica var. **rubro-plena**. RED DOUBLE-FLOWERED
PEACH.

Location: Arboretum.

Amygdalus triloba var. **plena**. DOUBLE-FLOWERING PLUM.

Location: Fruticetum.

Natural distribution: *Amygdalus triloba* is a native of China.

This variety is of horticultural origin.

Padus. WILD CHERRY

Padus nana. CHOKE CHERRY.

Location: Arboretum. Fruticetum.

Natural distribution: Eastern North America.

Padus nana var. **leucocarpa**. YELLOW-FRUITED WILD CHERRY.

Location: Arboretum.

Padus Padus. BIRD CHERRY.

Location: Fruticetum.

Natural distribution: Europe and Northern Asia.

Padus virginiana. WILD BLACK CHERRY.

Location: Common about the Garden grounds.

Natural distribution: Eastern North America.

CAESALPINACEAE. SENNA FAMILY

Cercis. JUDAS-TREE**Cercis canadensis.** AMERICAN JUDAS-TREE.

Location: Fruticetum. Arboretum. West Border. Border at approach to Elevated Railroad.

Cercis canadensis var. *alba*. WHITE-FLOWERED AMERICAN JUDAS-TREE.

Location: Fruticetum.

Cercis chinensis (*Cercis japonica*). ASIATIC RED-BUD.

Location: Fruticetum. Near Power House no. 1. Aquatic Garden.

Gymnocladus. KENTUCKY COFFEE-TREE**Gymnocladus dioica.** KENTUCKY COFFEE-TREE.

Location: Arboretum. Fruticetum. Along path from Museum fountain to 200th Street entrance.

Natural distribution: Central United States.

Gleditsia. HONEY LOCUST**Gleditsia aquatica.** WATER LOCUST.

Location: Arboretum.

Natural distribution: Southeastern United States.

Gleditsia triacanthos. HONEY LOCUST.

Location: Arboretum. Along path from Museum fountain to 200th Street entrance.

Natural distribution: Eastern North America.

FABACEAE. PEA FAMILY

Sophora. SOPHORA**Sophora japonica.** JAPAN PAGODA TREE.

Location: Arboretum.

Natural distribution: China.

Sophora viciifolia. VETCH-LEAVED SOPHORA.

Location: Fruticetum.

Natural distribution: China.

Cladrastis. AMERICAN YELLOW WOOD**Cladrastis lutea.** AMERICAN YELLOW WOOD.

Location: Arboretum. Along path near Conservatory Range
1. South of the Mansion.

Natural distribution: Southeastern United States.

Maackia. ASIATIC YELLOW WOOD**Maackia amurensis** var. **Buergeri.** JAPANESE YELLOW WOOD.

Location: Arboretum.

Natural distribution: Japan.

Genista. GENISTA**Genista tinctoria.** DYER'S GREENWEED.

Location: Fruticetum.

Natural distribution: Europe and western Asia.

Laburnum. Golden Chain**Laburnum Laburnum.** GOLDEN CHAIN.

Location: Arboretum. Fruticetum.

Natural distribution: Southern Europe.

Cytisus. TREFOIL**Cytisus hirsutus.** HAIRY TREFOIL.

Location: Fruticetum.

Natural distribution: Central and southern Europe and the
Orient.

Cytisus nigricans. BLACKISH TREFOIL.

Location: Fruticetum.

Natural distribution: Central Europe.

Cytisus nigricans var. **elongatus.** SLENDER BLACKISH TREFOIL.

Location: Fruticetum.

Cytisus praecox. EARLY TREFOIL.

Location: Fruticetum.

Horticultural origin.

Cytisus scoparius. SCOTCH BROOM.

Location: Fruticetum.

Natural distribution: Europe.

Cytisus scoparius var. **Andreanus**. CRIMSON-WINGED SCOTCH BROOM.

Location: Fruticetum.

Cytisus supinus. DENSE-FLOWERED TREFOIL.

Location: Fruticetum.

Natural distribution: Southern Europe.

Amorpha. FALSE INDIGO

Amorpha canescens. LEAD-PLANT.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Amorpha fruticosa. COMMON FALSE INDIGO.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Amorpha glabra (*Amorpha montana*). MOUNTAIN FALSE INDIGO.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Amorpha tennesseensis. TENNESSEE FALSE INDIGO.

Location: Fruticetum.

Natural distribution: Tennessee.

Amorpha virgata. WAND FALSE INDIGO.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Kraunhia. WISTERIA

Kraunhia floribunda. JAPANESE WISTERIA.

Location: Fruticetum.

Natural distribution: Japan.

Kraunhia floribunda var. **alba**. WHITE-FLOWERED JAPANESE WISTERIA.

Location: Fruticetum.

Kraunhia floribunda var. **macrobotrys**. LONG-RACEMED JAPANESE WISTERIA.

Location: Viticetum.

Kraunhia floribunda var. **violaceo-plena**. DOUBLE-FLOWERED JAPANESE WISTERIA.

Location: Fruticetum.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Kraunhia macrostachya. LONG-CLUSTERED WISTERIA.

Location: Viticetum.

Natural distribution: South central United States.

Kraunhia sinensis. CHINESE WISTERIA.

Location: Viticetum.

Natural distribution: China.

Robinia. LOCUST

Robinia hispida. ROSE ACACIA.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Robinia Kelseyi. KELSEY'S ROSE ACACIA.

Location: Fruticetum.

Natural distribution: Southern Alleghany Mountains.

Robinia neo-mexicana. NEW MEXICAN LOCUST.

Location: Fruticetum.

Natural distribution: Southwestern United States.

Robinia Pseudacacia. LOCUST-TREE.

Location: Arboretum.

Natural distribution: South central United States.

Robinia Pseudacacia var. **Decaisneana.** ROSE-FLOWERED LOCUST-TREE.

Location: Arboretum.

Robinia Pseudacacia var. **inermis.** SPINELESS LOCUST-TREE.

Location: Fruticetum.

Robinia Pseudacacia var. **Rehderi.** DWARF LOCUST-TREE.

Location: Fruticetum.

Robinia viscosa. CLAMMY LOCUST.

Location: Fruticetum. Arboretum.

Natural distribution: Virginia to Georgia.

Colutea. BLADDER SENNA

Colutea arborescens. TALL BLADDER SENNA.

Location: Fruticetum.

Natural distribution: Southern Europe and northern Africa.

Colutea orientalis. ORIENTAL BLADDER SENNA.

Location: Fruticetum.

Natural distribution: Southeastern Europe and the Orient.

Halimodendron. SALT TREE**Halimodendron halodendron.** SALT TREE.

Location: Fruticetum.

Natural distribution: Central Asia.

Caragana. PEA-TREE**Caragana Caragana.** COMMON PEA-TREE.

Location: Fruticetum.

Natural distribution: Siberia and Manchuria.

Caragana Chamlagu. CHAMLAGU PEA-TREE.

Location: Fruticetum.

Natural distribution: Northern China.

Caragana frutex. CHINESE PEA-TREE.

Location: Fruticetum.

Natural distribution: Southern Russia to China.

Caragana microphylla. SMALL-LEAVED PEA-TREE.

Location: Fruticetum.

Natural distribution: Siberia and China.

Caragana pygmaea. PIGMY PEA-TREE.

Location: Fruticetum.

Natural distribution: Caucasus to Siberia and Thibet.

Coronilla. CORONILLA**Coronilla Emerus.** SCORPION SENNA.

Location: Fruticetum.

Natural distribution: Southern Europe.

Lespedeza. BUSH-CLOVER**Lespedeza bicolor.** JAPANESE BUSH-CLOVER.

Location: Fruticetum.

Natural distribution: Amur Region, northern China and Japan

Peuraria. KUDZU VINE**Pueraria hirsuta** (*Pueraria Thunbergiana*). KUDZU VINE.

Location: Viticetum.

Natural distribution: Japan.

RUTACEAE. Rue Family

Zanthoxylum. PRICKLY ASH**Zanthoxylum americanum.** PRICKLY ASH.

Location: Fruticetum. Economic Garden.

Natural distribution: Northeastern United States.

Zanthoxylum Bungei. BUNGE'S PRICKLY ASH.

Location: Fruticetum.

Natural distribution: Northern and central China.

Zanthoxylum micranthum. SMALL-FLOWERED PRICKLY ASH.

Location: Fruticetum. Arboretum.

Natural distribution: China.

Zanthoxylum schinifolium. JAPANESE PRICKLY ASH.

Location: Fruticetum.

Natural distribution: Japan and Korea.

Ptelea. HOP TREE**Ptelea trifoliata.** HOP TREE.

Location: Fruticetum.

Natural distribution: Eastern United States.

Ptelea trifoliata var. **aurea.** GOLDEN HOP TREE.

Location: Fruticetum.

Ptelea trifoliata var. **mollis.** HAIRY HOP TREE.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Phellodendron. CORK TREE**Phellodendron amurense.** AMOOR CORK TREE.

Location: Arboretum.

Natural distribution: Northern China, Amurland, and Japan.

Phellodendron japonicum. JAPANESE CORK TREE.

Location: Arboretum.

Natural distribution: Central Japan.

Phellodendron sachalinense. SACHALIN CORK TREE.

Location: Arboretum. Along walk, Museum to 200th Street entrance.

Natural distribution: Saghalin, Corea, northern Japan, and western China.

Poncirus. TRIFOLIATE ORANGE**Poncirus trifoliata.** TRIFOLIATE ORANGE.

Location: Fruticetum.

Natural distribution: Northern China.

SIMARUBACEAE. Ailanthus Family

Ailanthus. TREE-OF-HEAVEN**Ailanthus glandulosa.** TREE-OF-HEAVEN.

Location: Arboretum. 200th Street entrance.

Natural distribution: China.

MELIACEAE. Mahogany Family

Toona. BASTARD CEDAR**Toona sinensis.** CHINESE BASTARD CEDAR.

Location: Arboretum.

Natural distribution: Northern China.

BUXACEAE. Box Family

Buxus. BOX**Buxus japonica.** JAPANESE BOX.

Location: Fruticetum.

Natural distribution: China and Japan.

Buxus microphylla. SMALL-LEAVED BOX.

Location: Fruticetum.

Natural distribution: Japan.

Buxus sempervirens. COMMON BOX TREE.

Location: Fruticetum.

Natural distribution: Europe and Asia.

Buxus sempervirens var. **angustifolia.** NARROW-LEAVED BOX.

Location: Fruticetum.

Buxus sempervirens var. **angustifolia aurea.** GOLDEN NARROW-LEAVED. BOX.

Location: Fruticetum.

Buxus sempervirens var. **aurea.** GOLDEN BOX.

Location: Fruticetum.

Buxus sempervirens var. **Handsworthii.** HANDSWORTH'S BOX.

Location: Fruticetum.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Buxus sempervirens var. **macrophylla**. LARGE-LEAVED BOX.

Location: Fruticetum.

Buxus sempervirens var. **navicularis**. CHANNEL-LEAVED BOX.

Location: Fruticetum.

Buxus sempervirens var. **rotundifolia**. ROUND-LEAVED BOX.

Location: Fruticetum.

ANACARDIACEAE. Sumac Family

Cotinus. SMOKE-TREE

Cotinus americanus. AMERICAN SMOKE-TREE.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Cotinus Cotinus. EUROPEAN SMOKE-TREE.

Location: Fruticetum.

Natural distribution: Europe and Central Asia.

Rhus. SUMAC

Rhus copallina. MOUNTAIN SUMAC.

Location: Fruticetum.

Natural distribution: Eastern United States.

Rhus glabra. SMOOTH SUMAC.

Location: Fruticetum. Wild, common.

Natural distribution: Eastern North America.

Rhus hirta. STAGHORN SUMAC.

Location: Fruticetum.

Natural distribution: Eastern North America.

Rhus hirta var. **dissecta**. PLUMED STAGHORN SUMAC.

Location: Fruticetum. West border, across road from upper lake.

Rhus javanica. OSBECK'S SUMAC.

Location: Fruticetum.

Natural distribution: China.

Rhus Michauxii. DWARF SUMAC.

Location: Fruticetum.

Natural distribution: North Carolina to Georgia.

Rhus Potaninii. CHINESE SUMAC.

Location: Fruticetum.

Natural distribution: Central and western China

Schmaltzia. SCENTED SUMAC**Schmaltzia crenata** (*Rhus aromatica*). FRAGRANT SUMAC.

Location: Fruticetum.

Natural distribution: Eastern United States and Ontario.

Toxicodendron. POISON SUMAC**Toxicodendron radicans.** POISON IVY.

Location: Wild, common.

Natural distribution: North America.

Toxicodendron verniciflua. LACQUER TREE.

Location: Arboretum.

Natural distribution: Japan, China and the Himalayas.

AQUIFOLIACEAE. Holly Family

Ilex. HOLLY**Ilex bronxensis.** NORTHERN WINTERBERRY.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Ilex crenata. JAPANESE HOLLY.

Location: Fruticetum. Conservatory beds. Mansion.

Natural distribution: Japan.

Ilex crenata var. **microphylla.** SMALL-LEAVED JAPANESE HOLLY.

Location: Fruticetum.

Ilex decidua. SWAMP HOLLY.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Ilex glabra. INKBERRY.

Location: Fruticetum.

Natural distribution: Eastern United States.

Ilex montana (*Ilex monticola*). LARGE-LEAVED HOLLY.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Ilex opaca. AMERICAN HOLLY.

Location: Fruticetum.

Natural distribution: Eastern United States.

Ilex serrata. SIEBOLD'S HOLLY.

Location: Fruticetum.

Natural distribution: Japan.

Ilex serrata var. **argutidens.** SHARP-TOOTHED JAPANESE HOLLY.

Location: Fruticetum.

Ilex verticillata. VIRGINIA WINTERBERRY.

Location: Fruticetum.

Natural distribution: Eastern United States.

Nemopanthus. WILD HOLLY**Nemopanthus mucronata.** WILD HOLLY.

Location: Fruticetum.

Natural distribution: Northeastern North America.

CELASTRACEAE. Staff-tree Family

Euonymus. STAFF-TREE**Euonymus alatus.** WINGED SPINDLE-TREE.

Location: Fruticetum. Conservatory beds.

Natural distribution: China and Japan.

Euonymus alatus var. **subtriflorus.** SMALL-FRUITED WINGED SPINDLE-TREE.

Location: Fruticetum.

Euonymus atropurpureus. BURNING BUSH.

Location: Fruticetum.

Natural distribution: Eastern North America.

Euonymus Bungeanus. BUNGE'S SPINDLE-TREE.

Location: Fruticetum.

Natural distribution: China and Manchuria.

Euonymus Bungeanus var. **semipersistens.** BUNGE'S ROSE-FRUITED SPINDLE-TREE.

Location: Fruticetum.

Euonymus europaeus. SPINDLE-TREE.

Location: Fruticetum.

Natural distribution: Europe to eastern Asia.

Euonymus europaeus var. **variegatus.** VARIEGATED SPINDLE-TREE.

Location: Fruticetum.

Euonymus Maackii. MAACK'S SPINDLE-TREE.

Location: Fruticetum.

Natural distribution: Northeastern Asia.

Euonymus nanus. DWARF WEEPING EUONYMUS.

Location: Fruticetum.

Natural distribution: Western Asia to western China.

Euonymus obovatus. RUNNING STRAWBERRY BUSH.

Location: American Wood Garden.

Distribution: Northeastern United States.

Euonymus patens. SPREADING SPINDLE-TREE.

Location: Fruticetum.

Natural distribution: Central China.

Euonymus radicans. CREEPING JAPANESE EUONYMUS.

Location: Fruticetum.

Natural distribution: Northern and central Japan.

Euonymus radicans var. **acutus.** ACUTE CREEPING EUONYMUS

Location: Fruticetum.

Euonymus radicans var. **Carrierei.** CARRIERE'S CREEPING EUONYMUS.

Location: Fruticetum.

Euonymus radicans var. **variegatus.** VARIEGATED CREEPING EUONYMUS.

Location: Fruticetum.

Euonymus radicans var. **vegetus.** BROAD-LEAVED CREEPING EUONYMUS.

Location: Fruticetum.

Celastrus. SHRUBBY BITTER-SWEET**Celastrus articulatus.** JAPANESE SHRUBBY BITTER-SWEET.

Location: Viticetum.

Natural distribution: Japan and China.

Celastrus articulatus var. **punctatus.** SMALL-LEAVED JAPANESE SHRUBBY BITTER-SWEET.

Location: Viticetum.

Celastrus scandens. SHRUBBY BITTER-SWEET.

Location: Wild, common.

Natural distribution: Eastern United States and Quebec.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

STAPHYLEACEAE. Bladder-nut Family

Staphylea. BLADDER-NUT

Staphylea Bumalda. JAPANESE BLADDER-NUT.

Location: Fruticetum.

Natural distribution: Japan.

Staphylea colchica. CAUCASIAN BLADDER-NUT.

Location: Fruticetum.

Natural distribution: Caucasus.

Staphylea Coulombieri. COULOMBIER'S BLADDER-NUT.

Location: Fruticetum.

Natural distribution: Caucasus.

Staphylea holocarpa. NAKED BLADDER-NUT.

Location: Fruticetum.

Natural distribution: Central China.

Staphylea pinnata. PINNATE BLADDER-NUT.

Location: Fruticetum.

Natural distribution: Europe to western Asia.

Staphylea trifolia. AMERICAN BLADDER-NUT.

Location: Fruticetum. Wild, common.

Natural distribution: Northeastern North America.

ACERACEAE. Maple Family

Acer. MAPLE

Acer campestre. COMMON EUROPEAN MAPLE.

Location: Arboretum.

Natural distribution: Europe and western Asia.

Acer campestre var. **hebecarpum.** HAIRY-FRUITED EUROPEAN MAPLE.

Location: Arboretum.

Acer cappadocicum var. **rubrum.** RED-VEINED ORIENTAL MAPLE.

Location: Arboretum.

Natural distribution: Caucasus to western China and the Himalayas.

Acer circinatum. ROUND-LEAVED MAPLE.

Location: Arboretum.

Natural distribution: Western North America.

Acer Ginnala. GINNALA MAPLE.

Location: Fruticetum.

Natural distribution: Manchuria, northern China, and Japan.

Acer japonicum. HAIRY JAPANESE MAPLE.

Location: Fruticetum.

Natural distribution: Japan.

Acer japonicum var. **aureum.** GOLDEN HAIRY JAPANESE MAPLE.

Location: Fruticetum.

Acer japonicum var. **macrophyllum.** LARGE-LEAVED HAIRY JAPANESE MAPLE.

Location: Fruticetum.

Acer japonicum var. **Parsonsii.** PARSONS' HAIRY JAPANESE MAPLE.

Location: Fruticetum.

Acer leucoderme. WHITE-BARKED SUGAR MAPLE.

Location: Arboretum. Fruticetum.

Natural distribution: North Carolina to Georgia and Louisiana.

Acer macrophyllum. BROAD-LEAVED MAPLE.

Location: Arboretum.

Natural distribution: Southern Alaska to southern California.

Acer Miyabei. MIYABE'S MAPLE.

Location: Arboretum.

Natural distribution: Japan.

Acer monspessulanum. MONTPELIER MAPLE.

Location: Fruticetum.

Natural distribution: Southern Europe, northern Africa, and western Asia.

Acer Negundo. ASH-LEAVED MAPLE.

Location: Arboretum. North side of depot plaza. Opposite approach to Elevated Railway.

Natural distribution: Eastern North America.

Acer Negundo var. **auratum**. GOLDEN ASH-LEAVED MAPLE.

Location: Arboretum.

Acer Negundo var. **variegatum**. VARIEGATED ASH-LEAVED MAPLE.

Location: Arboretum.

Acer nikoense. NIKO MAPLE.

Location: Arboretum.

Natural distribution: Japan and central China.

Acer palmatum. JAPANESE MAPLE.

Location: Fruticetum.

Natural distribution: Japan.

Acer palmatum var. **atropurpureum**. PURPLE-LEAVED JAPANESE MAPLE.

Location: Fruticetum.

Acer palmatum var. **dissectum rubellum**. RED FERN-LEAVED JAPANESE MAPLE.

Location: Fruticetum.

Acer palmatum var. **Hessei**. HESSE'S JAPANESE MAPLE.

Location: Fruticetum.

Acer palmatum var. **minus**. SMALL-LEAVED JAPANESE MAPLE.

Location: Fruticetum.

Acer palmatum var. **roseo-marginatum**. ROSE-MARGINED JAPANESE MAPLE.

Location: Fruticetum.

Acer palmatum var. **rubrum**. RED JAPANESE MAPLE.

Location: Fruticetum.

Acer palmatum var. **sanguineum**. BRIGHT-RED JAPANESE MAPLE.

Location: Fruticetum.

Acer palmatum var. **septemlobum**. SEVEN-LOBED JAPANESE MAPLE.

Location: Arboretum.

Acer palmatum var. **sinuatum**. NARROW-LOBED JAPANESE MAPLE.

Location: Fruticetum.

Acer pennsylvanicum. STRIPED MAPLE.

Location: Arboretum.

Natural distribution: Eastern North Amer

Acer platanoides. NORWAY MAPLE.

Location: South side of depot plaza. Along path west of the Museum. Along road east of the Museum.

Natural distribution: Europe and Caucasus.

Acer platanoides var. **cucullatum.** HOOD-LEAVED NORWAY MAPLE.

Location: Arboretum.

Acer platanoides var. **dissectum.** CUT-LEAVED NORWAY MAPLE.

Location: Arboretum.

Acer platanoides var. **globosum.** ROUND-HEADED NORWAY MAPLE.

Location: Arboretum.

Acer platanoides var. **Reitenbachii.** REITENBACH'S NORWAY MAPLE.

Location: Arboretum.

Acer platanoides var. **Schwedleri.** SCHWEDLER'S NORWAY MAPLE.

Location: Arboretum.

Acer Pseudo-platanus. SYCAMORE MAPLE.

Location: Arboretum. Along path near fountain at foot of Museum approach. Along path north of Conservatory Range 1.

Natural distribution: Europe and Caucasus.

Acer Pseudo-platanus var. **Leopoldii.** LEOPOLD'S SYCAMORE MAPLE.

Location: Arboretum.

Acer Pseudo-platanus var. **purpurascens.** PURPLE SYCAMORE MAPLE.

Location: Arboretum.

Acer rubrum. RED MAPLE.

Location: Arboretum. Wild, common.

Natural distribution: Eastern North America.

Acer rubrum var. **globosum.** ROUND-HEADED RED MAPLE.

Location: Arboretum.

Acer rufinerve. RED-NERVED MAPLE.

Location: Arboretum.

Natural distribution: Japan.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Acer saccharinum. SILVER MAPLE.

Location: Near Power House 1. Along road south of Museum.

Natural distribution: Eastern North America.

Acer saccharinum var. **Weiri.** WEIR'S MAPLE.

Location: Arboretum.

Acer Saccharum. SUGAR MAPLE.

Location: Arboretum. Wild, common.

Natural distribution: Eastern North America.

Acer Saccharum var. **monumentale.** UPRIGHT SUGAR MAPLE.

Location: Arboretum.

Acer tataricum. WHITE-FLOWERED MAPLE.

Location: Arboretum. Fruticetum.

Natural distribution: Southeastern Europe and the Orient.

AESCULACEAE. Horse-chestnut Family

Aesculus. HORSE-CHESTNUT

Aesculus carnea. RED-FLOWERED HORSE-CHESTNUT.

Location: Arboretum.

Horticultural origin.

Aesculus glabra. OHIO BUCKEYE.

Location: Arboretum.

Natural distribution: South Central United States.

Aesculus Hippocastanum. COMMON HORSE-CHESTNUT.

Location: Arboretum. Along path from 200th Street entrance to elevated approach. Triangle near Herbaceous Grounds.

Natural distribution: Northern Greece and Bulgaria.

Aesculus Hippocastanum var. **Baumannii.** DOUBLE-FLOWERED
WHITE HORSE-CHESTNUT.

Location: Arboretum.

Aesculus octandra. SWEET BUCKEYE.

Location: Arboretum.

Natural distribution: Southeastern United States.

Aesculus parviflora. SMALL-FLOWERED BUCKEYE.

Location: Fruticetum. West border, near upper end of upper lake.

Natural distribution: Southeastern United States.

Aesculus Pavia. RED BUCKEYE.

Location: Arboretum.

Natural distribution: Southeastern United States.

Aesculus turbinata. JAPANESE HORSE-CHESTNUT.

Location: Arboretum.

Natural distribution: Japan.

SAPINDACEAE. Soapberry Family

Koelreuteria. VARNISH TREE**Koelreuteria paniculata.** VARNISH TREE.

Location: Arboretum. Along path south of Museum.

Natural distribution: Japan, Korea, and China.

Xanthoceras. XANTHOCERAS**Xanthoceras sorbifolia.** XANTHOCERAS.

Location: Fruticetum.

Natural distribution: Northern China.

RHAMNACEAE. Buckthorn Family

Paliurus. CHRIST'S THORN**Paliurus Paliurus.** CHRIST'S THORN.

Location: Fruticetum.

Natural distribution: Southern Europe and western Asia.

Zizyphus. JUJUBE**Zizyphus Zizyphus.** JUJUBE.

Location: Fruticetum.

Natural distribution: Mediterranean Region and temperate Asia.

Zizyphus Zizyphus var. **inermis.** SPINELESS JUJUBE.

Location: Fruticetum.

Rhamnus. BUCKTHORN**Rhamnus alpina. ALPINE BUCKTHORN.**

Location: Fruticetum.

Natural distribution: Southern Europe.

Rhamnus cathartica. PURGING BUCKTHORN.

Location: Fruticetum.

Natural distribution: Europe and western and northern Asia.

Rhamnus dahurica. DAHURIAN BUCKTHORN.

Location: Fruticetum.

Natural distribution: Central Asia to Amur Region.

Rhamnus Frangula. ALDER BUCKTHORN.

Location: Fruticetum. Economic Garden.

Natural distribution: Europe, northern Africa, western Asia, and Siberia.

Rhamnus Pallasii. PALLAS'S BUCKTHORN.

Location: Fruticetum.

Natural distribution: Transcaucasia to Armenia and northern Persia.

Rhamnus utilis. USEFUL BUCKTHORN.

Location: Fruticetum.

Natural distribution: Central and eastern China.

Ceanothus. CEANOTHUS**Ceanothus americanus. NEW JERSEY TEA.**

Location: Fruticetum. Economic Garden.

Natural distribution: Eastern North America.

VITACEAE. Grape Family**Vitis. GRAPE****Vitis cordifolia. FROST GRAPE.**

Location: Viticetum.

Natural distribution: Eastern United States.

Vitis Labrusca. NORTHERN FOX GRAPE.

Location: Viticetum.

Natural distribution: Eastern United States.

Vitis palmata. MISSOURI GRAPE.

Location: Viticetum.

Natural distribution: Illinois to Arkansas.

Parthenocissus. PARTHENOCISSUS**Parthenocissus quinquefolia. VIRGINIA CREEPER.**

Location: Wild, common.

Natural distribution: Eastern North America, Mexico, Cuba, and the Bahamas.

Parthenocissus tricuspidata. JAPANESE IVY.

Location: Approach to Elevated Railway. 204th Street Bridge.

Natural distribution: Japan and central China.

Parthenocissus tricuspidata var. Lowii. LOW'S JAPANESE IVY.

Location: Viticetum.

Ampelopsis. AMPELOPSIS**Ampelopsis aconitifolia. ACONITE-LEAVED AMPELOPSIS.**

Location: Viticetum.

Natural distribution: Northern China.

Ampelopsis heterophylla. VARIOUS-LEAVED AMPELOPSIS.

Location: Viticetum.

Natural distribution: Eastern Asia.

Ampelopsis humulifolia. HOP-LEAVED AMPELOPSIS.

Location: Viticetum.

Natural distribution: Northern China.

TILIACEAE. Linden Family**Tilia. LINDEN****Tilia americana. AMERICAN LINDEN.**

Location: Arboretum. Along path west of Museum. Along approach to the Mosholu Bridge.

Natural distribution: Eastern North America.

Tilia cordata. SMALL-LEAVED LINDEN.

Location: Arboretum.

Natural distribution: Europe.

Tilia euchlora. CRIMEAN LINDEN.

Location: Arboretum.

Natural distribution: Orient.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Tilia Oliveri. OLIVER'S LINDEN.

Location: Arboretum.

Natural distribution: Central China.

Tilia platyphyllos. LARGE-LEAVED LIME.

Location: Arboretum.

Natural distribution: Europe.

Tilia platyphyllos var. **Beaumonti pendula.** BEAUMONT'S WEEP- ING LARGE-LEAVED LIME.

Location: Arboretum.

Tilia platyphyllos var. **corallina.** RED-TWIGGED LIME.

Location: Arboretum.

Tilia platyphyllos var. **laciniata.** CUT-LEAVED LIME.

Location: Arboretum.

Tilia tomentosa. WHITE LINDEN.

Location: Arboretum.

Natural distribution: Eastern Europe and Asia Minor.

Tilia tomentosa var. **petiolaris.** WEEPING WHITE LINDEN.

Location: Arboretum.

Grewia. GREWIA

Grewia parviflora. SMALL-FLOWERED GREWIA.

Location: Fruticetum.

Natural distribution: Northern China to Korea.

MALVACEAE. Mallow Family

Hibiscus. HIBISCUS

Hibiscus syriacus. ROSE-OF-SHARON.

Location: Fruticetum.

Natural distribution: Asia.

Hibiscus syriacus var. **Jeanne d'Arc.** JEANNE D'ARC ROSE-OF- SHARON.

Location: Fruticetum.

DILLENACEAE. Chalta Family

Actinidia. ACTINIDIA**Actinidia arguta.** SHARP-TOOTHED ACTINIDIA.

Location: Viticetum.

Natural distribution: Japan, Korea, and Manchuria.

Actinidia chinensis. CHINESE ACTINIDIA.

Location: Nursery enclosure.

Natural distribution: China.

THEACEAE. Tea Family

Stewartia. STEWARTIA**Stewartia pentagyna.** MOUNTAIN STEWARTIA.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Stewartia Pseudocamellia. JAPANESE STEWARTIA.

Location: Fruticetum.

Natural distribution: Japan.

HYPERICACEAE. St. John's-wort Family

Hypericum. ST. JOHN'S-WORT**Hypericum aureum.** GOLDEN ST. JOHN'S-WORT.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Hypericum galioides. BEDSTRAW ST. JOHN'S-WORT.

Location: Fruticetum.

Natural distribution: Southern United States.

Hypericum hircinum. GOAT ST. JOHN'S-WORT.

Location: Fruticetum.

Natural distribution: Mediterranean Region.

Hypericum Kalmianum. KALM'S ST. JOHN'S-WORT.

Location: Fruticetum.

Natural distribution: Quebec to Wisconsin and Illinois.

Hypericum patulum. SPREADING ST. JOHN'S-WORT.

Location: Fruticetum.

Natural distribution: Japan.

Hypericum patulum var. **Henryi.** HENRY'S SPREADING ST. JOHN'S-WORT.

Location: Fruticetum.

Hypericum prolificum. SHRUBBY ST. JOHN'S-WORT.

Location: Fruticetum.

Natural distribution: Eastern United States.

TAMARICACEAE. Tamarisk Family

Tamarix. TAMARISK

Tamarix odessana. CASPIAN TAMARISK.

Location: Fruticetum.

Natural distribution: Caspian Region.

Tamarix parviflora. SMALL-FLOWERED TAMARISK.

Location: Fruticetum.

Natural distribution: Southern Europe.

Tamarix pentandra. PALLAS' TAMARISK.

Location: Fruticetum.

Natural distribution: Southeastern Europe to Central Asia.

THYMELEACEAE. Mezereon Family

Daphne. DAPHNE

Daphne Cneorum. GARLAND FLOWER.

Location: Fruticetum.

Natural distribution: Central Europe.

Daphne Genkwa. CHINESE DAPHNE.

Location: Fruticetum.

Natural distribution: China.

Dirca. LEATHER-WOOD

Dirca palustris. LEATHER-WOOD.

Location: Fruticetum.

Natural distribution: Eastern North America.

ELAEAGNACEAE. Oleaster Family

Hippophaë. SEA BUCKTHORN

Hippophaë rhamnoides. SEA BUCKTHORN.

Location: Fruticetum.

Natural distribution: Europe and Asia.

Lepargyrea. BUFFALO-BERRY**Lepargyrea argentea. BUFFALO-BERRY.**

Location: Fruticetum.

Natural distribution: Central North America.

Elaeagnus. OLEASTER**Elaeagnus angustifolia. OLEASTER.**

Location: Fruticetum.

Natural distribution: Southeastern Europe and western Asia.

Elaeagnus angustifolia var. orientalis. ORIENTAL OLEASTER.

Location: Fruticetum.

Elaeagnus commutata. SILVER-BERRY.

Location: Fruticetum.

Natural distribution: Northern North America.

Elaeagnus multiflora. GOUMI.

Location: Fruticetum.

Natural distribution: Japan and China.

Elaeagnus umbellata. UMBELLED OLEASTER.

Location: Fruticetum.

Natural distribution: Japan.

ARALIACEAE. Ginseng Family**Hedera. IVY****Hedera Helix. ENGLISH IVY.**

Location: Wall at approach to elevated railway.

Natural distribution: Europe, Canaries, Northern Africa, and Asia.

Acanthopanax. ACANTHOPANAX**Acanthopanax Maximowiczii. MAXIMOWICZ'S ACANTHOPANAX.**

Location: Arboretum.

Natural distribution: Japan.

Acanthopanax pentaphyllum. FIVE-LEAVED ACANTHOPANAX.

Location: Fruticetum.

Natural distribution: Japan.

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Acanthopanax senticosum. MANCHURIAN ACANTHOPANAX.

Location: Fruticetum.

Natural distribution: Manchuria.

Acanthopanax sessiliflorum. SESSILE-FLOWERED ACANTHOPANAX.

Location: Fruticetum.

Natural distribution: Manchuria and northern China.

Aralia. ARALIA

Aralia chinensis. CHINESE ANGELICA-TREE.

Location: Fruticetum. Arboretum.

Natural distribution: China and Japan.

Aralia chinensis var. **glabrescens.** SMOOTH CHINESE ANGELICA-TREE.

Location: Fruticetum. Arboretum.

Aralia chinensis var. **mandshurica.** MANCHURIAN ANGELICA-TREE.

Location: Fruticetum.

Aralia chinensis var. **variegata.** VARIEGATED CHINESE ANGELICA-TREE.

Location: Fruticetum.

Aralia spinosa. HERCULES' CLUB.

Location: Fruticetum.

Natural distribution: Southeastern United States.

CORNACEAE. Dogwood Family

Nyssa. * SOUR GUM

Nyssa sylvatica. SOUR GUM.

Location: Wild, common.

Natural distribution: Eastern North America.

Cornus. DOGWOOD

Cornus alternifolia. ALTERNATE-LEAVED DOGWOOD.

Location: Fruticetum. Wild.

Natural distribution: Eastern North America.

Cornus Amomum. KINNIKINNIK.

Location: Fruticetum. Wild, along streams and in wet places.

Natural distribution: Eastern North America.

Cornus australis. ORIENTAL DOGWOOD.

Location: Fruticetum.

Natural distribution: Asia Minor and Caucasus.

Cornus Baileyi. BAILEY'S DOGWOOD.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Cornus brachypoda. SHORT-STALKED DOGWOOD.

Location: Fruticetum.

Natural distribution: Japan and central China.

Cornus controversa. JAPANESE ALTERNATE-LEAVED DOGWOOD.

Location: Fruticetum.

Natural distribution: Himalayan region to Japan.

Cornus femina. PANICLED DOGWOOD.

Location: Fruticetum.

Natural distribution: Northeastern United States.

Cornus glabrata. CALIFORNIAN DOGWOOD.

Location: Fruticetum.

Natural distribution: Oregon to California.

Cornus Mas. CORNELIAN CHERRY.

Location: Fruticetum.

Natural distribution: Southern Europe and Asia Minor.

Cornus officinalis. SANDZAKI.

Location: Fruticetum.

Natural distribution: Japan and China.

Cornus paucinervis. FEW-NERVED DOGWOOD.

Location: Fruticetum.

Natural distribution: Central China.

Cornus rugosa. ROUND-LEAVED DOGWOOD.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Cornus sanguinea. DOGBERRY.

Location: Fruticetum.

Natural distribution: Europe and the Orient.

Cornus stolonifera. RED-OSIER DOGWOOD.

Location: Fruticetum.

Natural distribution: Northern North America.

Cornus stolonifera var. **flaviramea.** YELLOW-BARKED DOGWOOD.

Location: Fruticetum. West end of west lake.

Cornus stricta. STIFF DOGWOOD.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Cynoxylon. FLOWERING DOGWOOD**Cynoxylon floridum.** FLOWERING DOGWOOD.

Location: Arboretum. Wild, common.

Natural distribution: Eastern United States.

Cynoxylon floridum var. **rubrum.** RED FLOWERING DOGWOOD.

Location: Arboretum.

Benthamia. JAPANESE FLOWERING DOGWOOD**Benthamia japonica.** JAPANESE FLOWERING DOGWOOD.

Location: Fruticetum.

Natural distribution: China and Japan.

Chamaepericlymenum DWARF DOGWOOD**Chamaepericlymenum canadense.** DWARF DOGWOOD.

Location: American Wood Garden.

Natural distribution: Northern North America.

CLETHRACEAE. White-alder Family

Clethra. SWEET PEPPER-BUSH**Clethra acuminata.** MOUNTAIN SWEET PEPPER-BUSH.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Clethra alnifolia. SWEET PEPPER-BUSH.

Location: Fruticetum. Wild.

Natural distribution: Eastern United States.

Clethra barbinervis. ASIATIC SWEET PEPPER-BUSH.

Location: Fruticetum.

Natural distribution: Eastern Asia.

ERICACEAE. Heath Family

Rhododendron. RHODODENDRON

Rhododendron album var. *elegans*. WHITE SHOWY RHODODENDRON.

Location: North side of Conservatory Range I.

Horticultural origin.

Rhododendron album var. *grandiflorum*. LARGE WHITE RHODODENDRON.

Location: Bank south of West Lake.

Horticultural origin.

Rhododendron arbutifolium. ARBUTUS-LEAVED RHODODENDRON.

Location: Fruticetum.

Hybr'd.

Rhododendron atosanguineum. DEEP RED RHODODENDRON.

Location: Bank south of West Lake.

Horticultural origin.

Rhododendron azaleoides. FRAGRANT RHODODENDRON.

Location: Fruticetum.

Hybr d.

Rhododendron carolinianum. CAROLINA RHODODENDRON.

Location: Bank, south side of west lake.

Natural distribution: Eastern Tennessee and western North and South Carolina.

Rhododendron catawbiense. MOUNTAIN ROSE BAY.

Location: Fruticetum. East bank of west lake.

Natural distribution: Southeastern United States.

Rhododendron catawbiense var. *album*. WHITE MOUNTAIN ROSE BAY.

Location: North side Conservatory Range I.

Rhododendron catawbiense var. *grandiflorum*. LARGE-FLOWERED MOUNTAIN ROSE BAY.

Location: North side of Conservatory Range I.

Rhododendron delicatissimum. PALE PINK RHODODENDRON.

Location: North side of Conservatory Range I.

Horticultural origin.

Rhododendron Everestianum. EVEREST'S RHODODENDRON.

Location: Museum fountain. North side of Conservatory Range I.

Horticultural origin.

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Rhododendron giganteum. TALL RHODODENDRON.

Location: North side of Conservatory Range I.

Horticultural origin.

Rhododendron maximum. GREAT LAUREL.

Location: East bank of west lake. West end of Stone Bridge.

Natural distribution: Eastern North America.

Rhododendron praecox. EARLY RHODODENDRON.

Location: Fruticetum.

Hybrid.

Rhododendron purpureum var. **elegans.** SHOWY PURPLE RHODODENDRON.

Location: North side of Conservatory Range I.

Horticultural origin.

Rhododendron roseum var. **elegans.** SHOWY ROSE RHODODENDRON

Location: North side of Conservatory Range I.

Horticultural origin.

In addition to the above the following, of horticultural origin, are in the collections: Abraham Lincoln, Boule de Neige, Caractacus, Charles Bagley, Charles Dickens, Edward S. Rand, Gen. Grant, H. H. Hunnewell, H. W. Sargent, James Bateman, Kettledrum, Lady Armstrong, Milton, Mrs. C. H. Sargent, Mrs. H. Ingersoll, Mrs. Milner, Parson's gloriosa, Parson's grandiflora, R. S. Field, Sefton.

Biltia. BILTIA

Biltia Vaseyi. VASEY'S AZALEA.

Location: Fruticetum.

Natural distribution: North Carolina.

Azalea. AZALEA

Azalea amoena. PLEASING AZALEA.

Location: Fruticetum. Flower beds north of Conservatory Range I.

Horticultural origin.

Azalea amoena var. **Dainzo**. DAINZO AZALEA.

Location: Fruticetum.

Azalea amoena var. **Hinodegiri**. FIREFLY AZALEA.

Location: Fountain in front of Museum. Fruticetum.

Azalea amoena var. **Mikado**. MIKADO AZALEA.

Location: Fruticetum.

Azalea amoena var. **splendens**. SHOWY AZALEA.

Location: Fruticetum.

Azalea arborescens. SMOOTH AZALEA.

Location: Fruticetum.

Natural distribution: Eastern United States.

Azalea canescens. MOUNTAIN AZALEA.

Location: Fruticetum.

Natural distribution: Eastern United States.

Azalea coccinea var. **speciosa**. SHOWY ORANGE AZALEA.

Location: Conservatory bed no. 9.

Horticultural origin.

Azalea Daviesii. DAVIES' AZALEA.

Location: Conservatory bed no. 10.

Horticultural origin.

Azalea Kaempferi. KAEMPFER'S AZALEA.

Location: Fruticetum.

Natural distribution: Japan.

Azalea ledifolia var. **alba**. WHITE CHINESE AZALEA.

Location: Fruticetum.

Natural distribution: China.

Azalea ledifolia var. **Fuji Manyo**. FUJI MANYO AZALEA.

Location: Fruticetum.

Azalea ledifolia var. **narcissiflora**. YODOGAWA AZALEA.

Location: Fruticetum.

Azalea linearifolia. LINEAR-LEAVED AZALEA.

Location: Fruticetum.

Natural distribution: Japan.

Azalea lutea. FLAME AZALEA.

Location: Fruticetum.

Natural distribution: Eastern United States.

Azalea nudiflora. WILD HONEYSUCKLE.

Location: Fruticetum. Triangle near west end of West Lake.

Natural distribution: Eastern United States.

Azalea nudiflora var. **alba.** WHITE WILD HONEYSUCKLE.

Location: Fruticetum.

Azalea occidentalis. WESTERN AZALEA.

Location: Fruticetum.

Natural distribution: Western North America.

Azalea sinensis. WOOLLY AZALEA.

Location: Fruticetum.

Natural distribution: China and Japan.

Azalea viscosa. SWAMP HONEYSUCKLE.

Location: Near Boulder Bridge.

Natural distribution: Eastern United States.

The following azaleas, of horticultural origin, are also in the collections: *alta* Clarence, *Beaute coeleste*, *Bouquet Flore* Dominica Scassi, *Hollandia*, J. C. Van Tol, *Nancy Waterer* Pallas, *Raphael de Smet*.

Menziesia. MENZIESIA**Menziesia pilosa.** MINNIE-BUSH.

Location: American Wood Garden.

Natural distribution: Pennsylvania to Georgia.

Dendrium. SAND MYRTLE**Dendrium buxifolium.** SAND MYRTLE.

Location: Fruticetum.

Natural distribution: New Jersey to Florida.

Kalmia. LAUREL**Kalmia angustifolia.** SHEEP LAUREL.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Kalmia latifolia. MOUNTAIN LAUREL.

Location: Fruticetum. East bank of West Lake south of the bridge. West end of Boulder Bridge.

Natural distribution: Eastern North America.

Enkianthus. ENKIANTHUS**Enkianthus campanulatus.** BELL-FLOWERED ENKIANTHUS.

Location: Fruticetum.

Natural distribution: Japan.

Enkianthus perulatus. JAPANESE ENKIANTHUS.

Location: Fruticetum.

Natural distribution: Japan.

Chamaedaphne. LEATHER-LEAF**Chamaedaphne calyculata.** LEATHER-LEAF.

Location: Fruticetum. Bank at east end of West Lake, south of bridge.

Natural distribution: Northern North America.

Leucothoë. LEUCOTHOË**Leucothoë Catesbaei.** CATESBY'S LEUCOTHOË.

Location: Fruticetum. Fountain in front of Museum.

Natural distribution: Virginia to Tennessee and Georgia.

Eubotrys. EUBOTRYS**Eubotrys racemosa.** SWAMP LEUCOTHOË.

Location: Aquatic Garden.

Natural distribution: Southeastern United States.

Eubotrys recurva. MOUNTAIN LEUCOTHOË.

Location: Fruticetum.

Natural distribution: Virginia to Alabama.

Pieris. PIERIS**Pieris floribunda.** MOUNTAIN FETTER-BUSH.

Location: Fruticetum. Fountain in front of Museum.

Natural distribution: Virginia to Georgia.

Pieris japonica. JAPANESE PIERIS.

Location: Fruticetum. Fountain in front of Museum.

Natural distribution: Japan.

Neopieris. STAGGER-BUSH**Neopieris mariana.** STAGGER-BUSH.

Location: Fruticetum.

Natural distribution: Southeastern United States.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Oxydendrum. SOURWOOD

Oxydendrum arboreum. SOURWOOD.

Location: Fruticetum. East bank of West Lake.

Natural distribution: Southeastern United States.

Epigaea. TRAILING ARBUTUS

Epigaea repens. TRAILING ARBUTUS.

Location: Wild, very scarce, though formerly more common;
exterminated by the public.

Natural distribution: Eastern North America.

Gaultheria. GAULTHERIA

Gaultheria procumbens. CREEPING WINTERGREEN.

Location: Wild, scarce.

Natural distribution: Eastern North America.

Calluna. HEATHER

Calluna vulgaris. HEATHER.

Location: Fruticetum.

Natural distribution: Europe.

VACCINIACEAE. Huckleberry Family

Gaylussacia. HUCKLEBERRY

Gaylussacia baccata. BLACK HUCKLEBERRY.

Location: Fruticetum.

Natural distribution: Eastern North America.

Polycodium. DEERBERRY

Polycodium stamineum. DEERBERRY.

Location: Fruticetum.

Natural distribution: Eastern United States.

Vaccinium. BLUEBERRY

Vaccinium angustifolium. LOW-BUSH BLUEBERRY.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Vaccinium atrococcum. BLACK BLUEBERRY.

Location: Wild.

Natural distribution: Eastern United States.

Vaccinium corymbosum. HIGH-BUSH BLUEBERRY.

Location: Wild.

Natural distribution: Eastern North America.

Vaccinium pallidum. PALE BLUEBERRY.

Location: Fruticetum.

Natural distribution: Virginia to South Carolina.

Vaccinium vacillans. BLUE HUCKLEBERRY.

Location: Fruticetum.

Natural distribution: Eastern United States.

EBENACEAE. Ebony Family

Diospyros. PERSIMMON**Diospyros virginiana.** PERSIMMON.

Location: Arboretum. Along road east of Museum. At fountain southeast of Museum.

Natural distribution: Southeastern United States.

SYMPLOCACEAE. Sweet-leaf Family

Symplocos. SYMPLOCOS**Symplocos paniculata.** ASIATIC SYMPLOCOS.

Location: Arboretum.

Natural distribution: Himalayan Region to China and Japan.

STYRACACEAE. Storax Family

Halesia. HALESIA**Halesia carolina.** SNOWDROP-TREE.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Styrax. STORAX**Styrax americana.** SMOOTH STORAX.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Styrax japonica. JAPANESE STORAX.

Location: Fruticetum.

Natural distribution: Japan.

Styrax Obassia. OBASSIA STORAX.

Location: Fruticetum.

Natural distribution: Japan.

Pterostyrax. WINGED STORAX**Pterostyrax hispida.** HISPID WINGED STORAX.

Location: Fruticetum. Near approach to elevated railroad.

Natural distribution: Japan.

OLEACEAE. Olive Family

Fontanesia. FONTANESIA**Fontanesia Fortunei.** ENTIRE FONTANESIA.

Location: Fruticetum.

Natural distribution: Eastern China.

Fontanesia phylleraeoides. TOOTHED FONTANESIA.

Location: Fruticetum.

Natural distribution: Sicily, Asia Minor, Syria and Palestine.

Fraxinus. ASH**Fraxinus americana.** WHITE ASH.Location: Arboretum. Both sides of road at Lake Bridge.
Wild, common.

Natural distribution: Eastern North America.

Fraxinus americana var. **cucullata.** HOOD-LEAVED WHITE ASH.

Location: Arboretum.

Fraxinus biltmoreana. BILTMORE ASH.

Location: Arboretum. Near Power House I.

Natural distribution: Southeastern United States.

Fraxinus Bungeana. BUNGE'S ASH.

Location: Arboretum.

Natural distribution: China.

Fraxinus campestris. PRAIRIE ASH.

Location: Arboretum. Near Power House I.

Natural distribution: North Central United States.

Fraxinus excelsior. EUROPEAN ASH.

Location: Arboretum.

Natural distribution: Europe and western Asia.

Fraxinus excelsior var. **aurea.** GOLDEN EUROPEAN ASH.

Location: Arboretum.

Fraxinus mandschurica. MANCHURIAN ASH.

Location: Arboretum. Near Power House 1.

Natural distribution: Manchuria, Chosen and Japan.

Fraxinus Michauxii. MICHAUX'S ASH.

Location: Arboretum. Wild, north meadow.

Natural distribution: Eastern United States.

Fraxinus nigra. BLACK ASH.

Location: Arboretum.

Natural distribution: Eastern North America.

Fraxinus Ornus. EUROPEAN MANNA ASH.

Location: Arboretum.

Natural distribution: Southern Europe and western Asia.

Fraxinus pennsylvanica. RED ASH.

Location: Arboretum. Wild.

Natural distribution: Eastern North America.

Fraxinus pennsylvanica var. **lanceolata.** GREEN ASH.

Location: Arboretum.

Fraxinus profunda. PUMPKIN ASH.

Location: Arboretum.

Natural distribution: South Central United States.

Fraxinus quadrangulata. BLUE ASH.

Location: Arboretum. Near fountain at foot of Museum approach.

Natural distribution: Eastern United States.

Fraxinus rotundifolia. ROUND-LEAVED ASH.

Location: Fruticetum.

Natural distribution: Southern Europe and western Asia.

Fraxinus texana. TEXAN ASH.

Location: Along road from Museum to South Gate.

Natural distribution: Texas.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Forsythia. GOLDEN-BELL

Forsythia europaea. EUROPEAN GOLDEN-BELL.

Location: Fruticetum.

Natural distribution: Albania.

Forsythia Fortunei. FORTUNE'S GOLDEN-BELL.

Location: Fruticetum. Near plaza, Harlem Railroad depot.

Natural distribution: China.

Forsythia Fortunei var. **atrocaulis.** FORTUNE'S DARK-STEMMED GOLDEN-BELL.

Location: Fruticetum.

Natural distribution: Central China.

Fraxinus Fortunei var. **aureo-variegata.** FORTUNE'S VARIE- GATED GOLDEN-BELL.

Location: Fruticetum.

Horticultural origin.

Forsythia Fortunei var. **pubescens.** FORTUNE'S HAIRY-LEAVED GOLDEN-BELL.

Location: Fruticetum.

Natural distribution: Central China.

Forsythia intermedia. HYBRID GOLDEN-BELL.

Location: Fruticetum. Near plaza, Harlem Railroad depot

Opposite entrance to elevated railroad.

Hybrid.

Forsythia intermedia var. **primulina.** PRIMROSE HYBRID GOL- DEN-BELL.

Location: Fruticetum.

Forsythia intermedia var. **vitellina.** DEEP-COLORED HYBRID GOLDEN-BELL.

Location: Fruticetum.

Forsythia suspensa. WEEPING GOLDEN-BELL.

Location: Fruticetum.

Natural distribution: China.

Forsythia viridissima. DARK-GREEN GOLDEN-BELL.

Location: Fruticetum. Near plaza, Harlem Railroad depot.

Natural distribution: China.

Forsythia viridissima var. **variegata.** VARIEGATED DARK-GREEN GOLDEN-BELL.

Location: Fruticetum.

Horticultural origin.

Syringa. LILAC**Syringa amoena.** BEAUTIFUL LILAC.

Location: Lilac Garden.

Horticultural origin.

Syringa amurensis, MANCHURIAN LILAC.

Location: Fruticetum.

Natural distribution: Manchuria.

Syringa azurea var. **plena.** DOUBLE BLUE LILAC.

Location: Lilac Garden.

Horticultural origin.

Syringa chinensis. ROUEN LILAC.

Location: Fruticetum. Lilac Garden.

Horticultural origin.

Syringa chinensis var. **alba.** WHITE ROUEN LILAC.

Location: Fruticetum. Lilac Garden.

Syringa chinensis var. **Saugeana.** RED ROUEN LILAC.

Location: Fruticetum.

Syringa colmariensis. COLMAR LILAC.

Location: Lilac Garden.

Horticultural origin.

Syringa Emodi. HIMALAYAN LILAC.

Location: Fruticetum.

Natural distribution: Himalayan Region.

Syringa japonica. JAPANESE LILAC.

Location: Fruticetum.

Natural distribution: Japan.

Syringa Josikaea. HUNGARIAN LILAC.

Location: Fruticetum.

Natural distribution: Hungary.

Syringa Juliana. JULIANA'S LILAC.

Location: Fruticetum.

Natural distribution: Western China.

Syringa Komarowii. KOMAROW'S LILAC.

Location: Fruticetum.

Natural distribution: Western China.

Syringa macrostachya. LARGE-CLUSTERED LILAC.

Location: Lilac Garden.

Horticultural origin.

Syringa Noisettiana var. **alba.** WHITE NOISETTE LILAC.

Location: Lilac Garden.

Horticultural origin.

Syringa oblata. LINDLEY'S LILAC.

Location: Lilac Garden.

Natural distribution: Northern China.

Syringa pekinensis. PEKIN LILAC.

Location: Fruticetum.

Natural distribution: Northern China.

Syringa persica var. **alba.** WHITE PERSIAN LILAC.

Location: Fruticetum.

Natural distribution: Caucasus to Afghanistan.

Syringa persica var. **laciniata.** CUT-LEAVED PERSIAN LILAC.

Location: Fruticetum.

Syringa pubescens. PUBESCENT LILAC.

Location: Fruticetum.

Natural distribution: Northern China.

Syringa reflexa. PENDULOUS LILAC.

Location: Fruticetum.

Natural distribution: Western China.

Syringa spectabilis. SHOWY LILAC.

Location: Lilac Garden.

Horticultural origin.

Syringa tomentella. LITTLE HAIRY LILAC.

Location: Fruticetum.

Natural distribution: Western China.

Syringa villosa. HAIRY CHINESE LILAC.

Location: Fruticetum.

Natural distribution: China to Himalayas.

Syringa vulgaris. COMMON LILAC.

Location: Fruticetum. Power house 1.

Natural distribution: Southeastern Europe to Caucasus.

Syringa vulgaris var. alba. WHITE-FLOWERED COMMON LILAC.

Location: Fruticetum.

Syringa Wilsonii. WILSON'S LILAC.

Location: Fruticetum.

Natural distribution: Western China.

The following, many of them hybrids, of horticultural origin, are also in the collections:

Aline Macquery, Antoine Buchner, Arthur Wm. Paul, Banquise, Bleuatre, Charles Baltet, Charles Sargent, Charles X, Comte de Kerchove, Comtesse Horace de Choisseul, De Jussieu, De Mirabel, De Saussure, Desfontaines, Dr. Maillot, Dr. Masters, Duc de Massa, Edmond About, Edmond Boissier, Emile Lemoine, Erherzog Johann, Etoile de Mai, Fürst Lichtenstein, Georges Bellair, Gloire de Lorraine, Godroy, Henri Martin, Hippolyte Maringer, Jeanne d'Arc, Jules Ferry, Jules Simon, La Mauve, Lamartine, Leon Gambetta Lilarosa, Louis Van Houtte, Mme. Antoine Buchner, Mme. Casimir Perier, Mme. Lemoine, Mme. de Miller, Mme. Moser, Marechal Lannes. Marliacea pallida, Maximowicz, Merveille, Michel Buchner, Mirabeau, Miss Ellen Willmott, Montaigne, Montgolfier, Negro, Olivier de Serres, Pasteur, Paul Hariot, Philemon, Planchon, President Fallieres, President Grevy, President Loubet, President Viger, Princess Alexandra, Prof. Sargent, Prof. Stockhart, Rousard, Siebold, Souv. de L. Thibaut, Taglioni, Tournefort, Toussaint l'Ouverture, Vestale, Victor Lemoine, Viviani Morel, Volcan, Waldeck Rousseau, Wm. Robinson.

Phillyrea. PHILLYREA**Phillyrea angustifolia.** NARROW-LEAVED PHILLYREA.

Location: Fruticetum.

Natural distribution: Mediterranean Region.

Forestiera. FORESTIERA**Forestiera acuminata.** POINTED FORESTIERA.

Location: Fruticetum.

Natural distribution: Southeastern United States.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

OLEACEAE. Olive Family

Forestiera ligustrina. PRIVET FORESTIERA.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Chionanthus. FRINGE TREE

Chionanthus virginica. FRINGE TREE.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Ligustrum. PRIVET

Ligustrum acuminatum. SHARP-POINTED PRIVET.

Location: Fruticetum.

Natural distribution: Japan.

Ligustrum acuminatum var. **macrocarpum.** LARGE-FRUITED SHARP-POINTED PRIVET.

Location: Fruticetum.

Ligustrum amurense. AMUR PRIVET.

Location: Fruticetum.

Natural distribution: Amur region, China, and Japan.

Ligustrum Ibota. IBOTA PRIVET.

Location: Fruticetum.

Natural distribution: Japan and China.

Ligustrum Ibota var. **Regelianum.** REGEL'S PRIVET.

Location: Fruticetum. Lake Bridge.

Ligustrum ovalifolium. CALIFORNIA PRIVET.

Location: Fruticetum.

Natural distribution: Japan.

Ligustrum ovalifolium var. **aureo-marginatum.** GOLDEN-MAR- GINED PRIVET.

Location: Fruticetum.

Horticultural origin.

Ligustrum ovalifolium var. **elegantissimum.** ELEGANT CALI- FORNIA PRIVET.

Location: Fruticetum.

Ligustrum Quihoui. QUIHOU'S PRIVET.

Location: Fruticetum.

Natural distribution: China.

Ligustrum sinense var. **Stauntonii.** STAUNTON'S CHINESE PRIVET.

Location: Fruticetum.

Natural distribution: China and Corea.

Ligustrum vulgare. COMMON PRIVET.

Location: Fruticetum.

Natural distribution: Europe, northern Africa, and western Asia.

Ligustrum vulgare var. **buxifolium.** BOX-LEAVED COMMON PRIVET.

Location: Fruticetum.

Natural distribution: Europe.

Ligustrum vulgare var. **sempervirens.** EVERGREEN COMMON PRIVET.

Location: Fruticetum.

LOGANIACEAE. Logania Family

Buddleia. SUMMER LILAC**Buddleia Davidi.** SUMMER LILAC.

Location: Fruticetum.

Natural distribution: China.

Buddleia Davidi var. **magnifica.** CREPE SUMMER LILAC.

Location: Fruticetum.

Buddleia Davidi var. **superba.** BRIGHT-EYED SUMMER LILAC.

Location: Fruticetum.

Buddleia Davidi var. **Veitchiana.** VEITCH'S SUMMER LILAC.

Location: Fruticetum.

Buddleia nivea var. **yunnanensis.** YUNNAN SUMMER LILAC.

Location: Fruticetum.

Natural distribution: Southern China.

ASCLEPIADACEAE. Milkweed Family

Marsdenia. MARSDENIA**Marsdenia erecta.** HARDY MARSDENIA.

Location: Fruticetum.

Natural distribution: Southeastern Europe and Syria.

VERBENACEAE. Vervain Family

Callicarpa. CALLICARPA**Callicarpa japonica.** JAPANESE CALLICARPA.

Location: Fruticetum.

Natural distribution: Japan.

Callicarpa purpurea. CHINESE CALLICARPA.

Location: Fruticetum.

Natural distribution: Japan and China.

Vitex. CHASTE-TREE**Vitex Agnus-castus.** CHASTE-TREE.

Location: Fruticetum.

Natural distribution: Southern Europe and western Asia.

Vitex Negundo var. **incisa.** CUT-LEAVED CHINESE CHASTE-TREE.

Location: Fruticetum.

Natural distribution: Northern China and Mongolia.

Clerodendron. CLERODENDRON**Clerodendron trichotomum.** KUSAGI.

Location: Fruticetum.

Natural distribution: Japan.

SOLANACEAE. Potato Family

Lycium. MATRIMONY VINE**Lycium chinense.** CHINESE MATRIMONY VINE.

Location: Fruticetum.

Natural distribution: China.

Lycium halimifolium. MATRIMONY VINE.

Location: Fruticetum.

Natural distribution: China to southeastern Europe.

SCROPHULARIACEAE. Figwort Family

Penstemon. BEARD-TONGUE**Penstemon Scouleri.** SCOULER'S BEARD-TONGUE.

Location: Fruticetum.

Natural distribution: Northwestern North America.

Paulownia. PAULOWNIA**Paulownia tomentosa. PAULOWNIA.**

Location: Arboretum. Mansion. Drinking fountain south-east of Museum.

Natural distribution: Central China.

BIGNONIACEAE. Trumpet-creeper Family**Bignonia. TRUMPET-CREEPER****Bignonia radicans. TRUMPET-CREEPER.**

Location: Viticetum.

Natural distribution: Eastern North America.

Catalpa. CATALPA**Catalpa Catalpa (*Catalpa bignonioides*). INDIAN BEAN.**

Location: Arboretum. Harlem Depot plaza. Along road from Museum to Elevated Approach.

Natural distribution: Southeastern United States.

Catalpa Catalpa var. nana. DWARF INDIAN BEAN.

Location: Arboretum.

Horticultural origin.

Catalpa hybrida. HYBRID INDIAN BEAN

Location: Arboretum. Harlem Depot plaza.

Horticultural origin.

Catalpa ovata (*Catalpa Kaempferi*). KAEMPFER'S CATALPA

Location: Arboretum. Herbaceous Grounds.

Natural distribution: China.

RUBIACEAE. MADDER FAMILY**Cephalanthus. BUTTON-BUSH****Cephalanthus occidentalis. BUTTON-BUSH.**

Location: East end of Boulder Bridge. Wild, in wet places.

Natural distribution: Eastern North America.

CAPRIFOLIACEAE. Honeysuckle Family**Sambucus. ELDER****Sambucus canadensis. SWEET ELDER.**

Location: Fruticetum. Herbaceous Grounds. Aquatic Garden. Wild, common in wet places.

Natural distribution: Eastern North America.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

Viburnum. VIBURNUM

Viburnum acerifolium. DOCKMACKIE.

Location: Fruticetum. Triangle east of Museum. Herbaceous Grounds shelter. Wild, common.

Natural distribution: Northeastern North America.

Viburnum burejaeticum. MANCHURIAN VIBURNUM.

Location: Fruticetum.

Natural distribution: Northern China and Manchuria.

Viburnum Carlesii. FRAGRANT VIBURNUM.

Location: Fruticetum.

Natural distribution: Corea.

Viburnum cassinoides. WITHE-ROD.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Viburnum dentatum. ARROW-WOOD.

Location: Fruticetum.

Natural distribution: Eastern North America.

Viburnum dilatatum. THUNBERG'S VIBURNUM.

Location: Fruticetum.

Natural distribution: China and Japan.

Viburnum erosum. EROSE VIBURNUM.

Location: Fruticetum.

Natural distribution: Japan.

Viburnum hupehense. HUPEH VIBURNUM.

Location: Fruticetum.

Natural distribution: Central China.

Viburnum Lantana. WAYFARING TREE.

Location: Fruticetum.

Natural distribution: Europe and western Asia.

Viburnum Lentago. NANNY-BERRY.

Location: Fruticetum. Wild, scarce.

Natural distribution: Eastern North America.

Viburnum macrocephalum. LARGE-CLUSTERED VIBURNUM.

Location: Fruticetum.

Natural distribution: China.

Viburnum nudum. LARGER WITHE-ROD.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Viburnum Opulus. EUROPEAN CRANBERRY-TREE.

Location: Fruticetum.

Natural distribution: Europe, northern Africa, and northern Asia.

Viburnum Opulus var. **nanum.** DWARF CRANBERRY-BUSH.

Location: Fruticetum.

Horticultural origin.

Viburnum Opulus var. **sterile.** GUELDER ROSE.

Location: Fruticetum.

Viburnum Opulus var. **xanthocarpum.** YELLOW-FRUITED EUROPEAN CRANBERRY-TREE.

Location: Fruticetum.

Viburnum prunifolium. BLACK HAW.

Location: Fruticetum. Herbaceous Grounds. Wild, common.

Natural distribution: Eastern United States.

Viburnum pubescens. DOWNY-LEAVED ARROW-WOOD.

Location: Fruticetum.

Natural distribution: Eastern United States.

Viburnum rufidulum. SOUTHERN BLACK HAW.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Viburnum Sargentii. CHINESE CRANBERRY-TREE.

Location: Fruticetum.

Natural distribution: Northern China and Japan.

Viburnum Sieboldi. SIEBOLD'S VIBURNUM.

Location: Fruticetum. East end of Long Bridge.

Natural distribution: Japan.

Viburnum tomentosum. WOOLLY VIBURNUM.

Location: Fruticetum.

Natural distribution: China and Japan.

Viburnum tomentosum var. **plenum**. JAPANESE SNOWBALL.

Location: Fruticetum.

Horticultural origin.

Viburnum tomentosum var. **rotundifolium**. EARLY JAPANESE SNOWBALL.

Location: Fruticetum.

Viburnum venosum. VEINY ARROW-WOOD.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Viburnum venosum var. **Canbyi**. CANBY'S ARROW-WOOD.

Location: Fruticetum. Triangle east of Boulder Bridge.

Natural distribution: Delaware to Pennsylvania.

Symphoricarpos. SYMPHORICARPOS**Symphoricarpos albus** var. **laevigatus**. SMOOTH SNOWBERRY.

Location: Fruticetum. West of Museum.

Natural distribution: Northern North America.

Symphoricarpos albus var. **laevigatus variegatus**. VARIEGATED SMOOTH SNOWBERRY.

Location: Fruticetum.

Horticultural origin.

Symphoricarpos occidentalis. WOLFBERRY.

Location: Fruticetum.

Natural distribution: Western North America.

Symphoricarpos **Symphoricarpos** (*Symphoricarpos vulgaris*). CORAL-BERRY.

Location: Fruticetum. West of Museum.

Natural distribution: Eastern United States.

Symphoricarpos **Symphoricarpos** var. **variegatus**. VARIEGATED CORAL-BERRY.

Location: Fruticetum.

Horticultural origin.

Abelia. ABELIA**Abelia grandiflora**. GARDEN ABELIA.

Location: Fruticetum. Conservatory bed 9.

Hybrid.

Lonicera. HONEYSUCKLE**Lonicera Alberti.** ALBERT'S HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Turkestan.

Lonicera alpigena. MOUNTAIN HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Central and southern Europe.

Lonicera bella. ZABEL'S HONEYSUCKLE.

Location: Fruticetum.

Hybrid.

Lonicera bella var. **albida.** ZABEL'S WHITE HONEYSUCKLE.

Location: Fruticetum.

Lonicera bella var. **atrorosea.** ZABEL'S DARK ROSE HONEY
SUCKLE.

Location: Fruticetum.

Lonicera bella var. **candida.** ZABEL'S SNOWY HONEYSUCKLE.

Location: Fruticetum.

Lonicera bella var. **rosea.** ZABEL'S ROSE HONEYSUCKLE.

Location: Fruticetum.

Lonicera chaetocarpa. HAIRY-FRUITED HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Western China.

Lonicera chrysantha. YELLOW-FLOWERED HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Northeastern Asia to central Japan.

Lonicera chrysantha var. **Regeliana.** REGEL'S HONEYSUCKLE.

Location: Fruticetum.

Lonicera coerulea var. **dependens.** TURKESTAN FLY-HONEY-
SUCKLE.

Location: Fruticetum.

Natural distribution: Turkestan.

Lonicera coerulea var. **edulis.** SIBERIAN FLY-HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Siberia and northern China.

Lonicera coerulea var. **Kirilovi.** KIRILOV'S FLY-HONEYSUCKLE

Location: Fruticetum.

Natural distribution: Turkestan.

HARDY WOODY PLANTS IN THE NEW YORK BOTANICAL GARDEN

***Lonicera dioica*.** GLAUCOUS HONEYSUCKLE.

Location: Viticetum.

Natural distribution: Northeastern North America.

***Lonicera flava*.** YELLOW HONEYSUCKLE.

Location: Viticetum.

Natural distribution: Southeastern United States.

***Lonicera fragrantissima*.** FRAGRANT HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: China.

***Lonicera gracilipes* var. *glabra*.** ONE-FLOWERED HONEYSUCKLE

Location: Fruticetum.

Natural distribution: Japan.

***Lonicera iberica*.** IBERIAN HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Transcaucasia and Persia.

***Lonicera japonica*.** JAPANESE HONEYSUCKLE.

Location: Viticetum.

Natural distribution: China and Japan.

***Lonicera japonica* var. *Halliana*.** HALL'S JAPANESE HONEY-
SUCKLE.

Location: Viticetum.

***Lonicera japonica* var. *flexuosa aureo-reticulata*.** GOLDEN-
VEINED HONEYSUCKLE.

Location: Fruticetum.

***Lonicera Koralkovii* var. *floribunda*.** KORALKOW'S MANY-
FLOWERED HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Turkestan.

***Lonicera Maackii*.** MAACK'S HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Northeastern Asia to central Japan.

***Lonicera Maackii* var. *erubescens*.** MAACK'S PINK-FLOWERED
HONEYSUCKLE.

Location: Fruticetum.

- Lonicera Maximowiczii.** MAXIMOWICZ'S HONEYSUCKLE.
 Location: Fruticetum.
 Natural distribution: Northeastern Asia.
- Lonicera minutiflora.** SMALL-FLOWERED HONEYSUCKLE.
 Location: Fruticetum.
 Horticultural origin.
- Lonicera Morrowi.** MORROW'S HONEYSUCKLE.
 Location: Fruticetum.
 Natural distribution: Japan.
- Lonicera Morrowi** var. **xanthocarpa.** MORROW'S YELLOW-FRUITED HONEYSUCKLE.
 Location: Fruticetum.
- Lonicera muendeniensis.** MUENDEN HONEYSUCKLE.
 Location: Fruticetum.
 Horticultural origin.
- Lonicera muscaviensis.** MUSKAU HONEYSUCKLE.
 Location: Fruticetum.
 Horticultural origin.
- Lonicera Periclymenum** var. **belgica.** BELGIAN WOODBINE.
 Location: Fruticetum.
 Natural distribution: Europe.
- Lonicera Ruprechtiana.** RUPRECHT'S HONEYSUCKLE.
 Location: Fruticetum.
 Natural distribution: Manchuria.
- Lonicera segreziensis.** SEGREZ HONEYSUCKLE.
 Location: Fruticetum.
 Horticultural origin.
- Lonicera Standishii.** STANDISH'S HONEYSUCKLE.
 Location: Fruticetum.
 Natural distribution: China.
- Lonicera Standishii** var. **lancifolia.** STANDISH'S NARROW-LEAVED HONEYSUCKLE.
 Location: Fruticetum.
 Natural distribution: Western China.
- Lonicera Sullivantii.** SULLIVANT'S HONEYSUCKLE.
 Location: Viticetum.
 Natural distribution: Northeastern United States and Ontario.

Lonicera syringantha. LILAC-FLOWERED HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Western China.

Lonicera syringantha var. **Wolfii.** WOLF'S LILAC-FLOWERED HONEYSUCKLE.

Location: Fruticetum.

Lonicera tatarica. SIBERIAN HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Southeastern Russia to Siberia.

Lonicera tatarica var. **speciosa.** PINK-FLOWERED SIBERIAN HONEYSUCKLE.

Location: Fruticetum.

Horticultural origin.

Lonicera xylostoides. BLUISH HONEYSUCKLE.

Location: Fruticetum.

Hybrid.

Lonicera Xylosteum. FLY HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Europe and western and northern Asia

Diervilla. BUSH HONEYSUCKLE**Diervilla Diervilla.** BUSH HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Northeastern North America.

Diervilla rivularis. HAIRY BUSH HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Diervilla sessilifolia. SESSILE-LEAVED BUSH HONEYSUCKLE.

Location: Fruticetum.

Natural distribution: Southeastern United States.

Weigela. WEIGELA**Weigela coraeensis.** COREAN WEIGELA.

Location: Fruticetum.

Natural distribution: Japan.

Weigela floribunda. MANY-FLOWERED WEIGELA.

Location: Fruticetum.

Natural distribution: Japan.

Weigela florida. ROSE WEIGELA.

Location: Fruticetum.

Natural distribution: Northern China.

Weigela florida var. **candida.** WHITE CHINESE WEIGELA.

Location: Fruticetum.

Weigela hybrida var. **Abel Carriere.** WEIGELA ABEL CARRIERE

Location: Fruticetum.

Hybrid.

Weigela hybrida var. **Avalanche.** WEIGELA AVALANCHE.

Location: Fruticetum.

Weigela hybrida var. **Avant Large.** WEIGELA AVANT LARGE.

Location: Fruticetum.

Weigela hybrida var. **Bouquet Rose.** WEIGELA BOUQUET ROSE.

Location: Fruticetum.

Weigela hybrida var. **Buisson Fleur.** WIEGELA BUISSON FLEUR.

Location: Fruticetum.

Weigela hybrida var. **candida.** WHITE HYBRID WEIGELA.

Location: Fruticetum.

Weigela hybrida var. **Conquete.** WEIGELA CONQUETE.

Location: Fruticetum.

Weigela hybrida var. **Dame Blanche.** WEIGELA DAME BLANCHE

Location: Fruticetum.

Weigela hybrida var. **Desboisii.** DESBOIS' WEIGELA.

Location: Fruticetum.

Weigela hybrida var. **Esperance.** WEIGELA ESPERANCE.

Location: Fruticetum.

Weigela hybrida var. **Eva Rathke.** WEIGELA EVA RATHKE.

Location: Fruticetum.

Weigela hybrida var. **Fleur de Mai.** WEIGELA FLEUR DE MAI.

Location: Fruticetum.

Weigela hybrida var. **Floreal.** WEIGELA FLOREAL.

Location: Fruticetum.

Weigela hybrida var. **Fraicheur.** WEIGELA FRAICHEUR.

Location: Fruticetum.

Weigela hybrida var. **Glorieux.** WEIGELA GLORIEUX.

Location: Fruticetum.

Weigela hybrida var. **Gracieux.** WEIGELA GRACIEUX.

Location: Fruticetum.

- Weigela hybrida** var. **Gustave Mallet.** MALLET'S WEIGELA.
Location: Fruticetum.
- Weigela hybrida** var. **Herione.** WEIGELA HERIONE.
Location: Fruticetum.
- Weigela hybrida** var. **Isoline.** WEIGELA ISOLINE.
Location: Fruticetum.
- Weigela hybrida** var. **Lavallei.** LAVALLE'S WEIGELA.
Location: Fruticetum.
- Weigela hybrida** var. **Le Printemps.** WEIGELA LE PRINTEMPS.
Location: Fruticetum.
- Weigela hybrida** var. **Messenger.** WEIGELA MESSENGER.
Location: Fruticetum.
- Weigela hybrida** var. **Perle.** WEIGELA PERLE.
Location: Fruticetum.
- Weigela hybrida** var. **Seduction.** WEIGELA SEDUCTION.
Location: Fruticetum.
- Weigela hybrida** var. **Sieboldii argenteo-variegata.** SILVER-MARGINED WEIGELA.
Location: Fruticetum.
- Weigela hybrida** var. **Stelzneri.** STELZNER'S WEIGELA.
Location: Fruticetum.
- Weigela hybrida** var. **Van Houttei.** VAN HOUTTE'S WEIGELA.
Location: Fruticetum.
- Weigela hybrida** var. **Vestale.** WEIGELA VESTALE.
Location: Fruticetum.
- Weigela japonica.** JAPANESE WEIGELA.
Location: Fruticetum.
Natural distribution: Japan and China.
- Weigela japonica** var. **hortensis.** GARDEN WEIGELA.
Location: Fruticetum.

CARDUACEAE. Thistle Family

Baccharis. PENCIL-TREE

Baccharis halimifolia. PENCIL-TREE.

Location: Fruticetum.

Natural distribution: Southeastern United States.

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